



सीएसआईआर-केंद्रीय वैज्ञानिक उपकरण संगठन
CSIR-CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION
 (वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद)
 (Council of Scientific & Industrial Research)
 सेक्टर 30-सी, चंडीगढ़-160030 (भारत)
 Sector 30-C, Chandigarh-160 030 (India)



सं. सीएसआईओ/2(298)/2022-भर्ती

दिनांक: 22.09.2025

Web Notice - Advt. No. 45/2022 - Screening Result and Syllabus for Trade Test and Paper-III of Written Test

With reference to CSIR-CSIO Advertisement No. 45/2022 for recruitment to 44 posts of Technician (1) [Group II(1)], it is notified that the applications received online have been examined by the duly constituted Screening Committee(s) based on minimum eligibility criteria as per the advertisement.

Based on the recommendations of the Screening Committee(s) duly approved by the Competent Authority, the details of the shortlisted/rejected candidates and the syllabus for the Trade Test and Paper-III of the Written Test for each trade are as under:-

S. No.	Post Code	Trade/Area	Number of Posts Advertised	Number and Details of Shortlisted Applicants	Number and Details of Rejected Applicants	Details of Syllabus for Trade Test and Paper-III of the Written Test
1.	ELECT 01	Electrical Engineering	04 posts [OBC – 01, SC – 01, UR – 02, ESM - 01]	299 (Page No. 4)	481 (Page No. 16)	As per details available on page no. 35
2.	ECE 01	Electronics Engineering	05 posts [SC - 01, EWS - 01, UR - 03]	91 (Page No. 60)	57 (Page No. 64)	As per details available on page no. 74
3.	ECE 02	Electronics Engineering	01 post [UR - 01]	2 (Page No. 67)	NIL	As per details available on page no. 74
4.	ECE 03	Electronics Engineering	03 posts [SC - 01, UR - 02]	98 (Page No. 68)	41 (Page No. 72)	As per details available on page no. 74
5.	TURN	Turner	04 posts [OBC - 01, SC - 01, UR - 02]	143 (Page No. 79)	52 (Page No. 84)	As per details available on page no. 86
6.	FITT	Fitter	04 posts [OBC - 01, EWS - 01, UR - 02]	287 (Page No. 89)	221 (Page No. 102)	As per details available on page no. 111

7.	MILL	Machinist	05 posts [OBC - 01, SC - 01, EWS - 01, UR - 02]	175 (Page No. 114)	40 (Page No. 121)	As per details available on page no. 123
8.	DFT 01	Draftsman (Mechanical)	04 posts [OBC - 01, SC - 01, EWS - 01, UR - 01]	66 (Page No. 125)	31 (Page No. 128)	As per details available on page no. 130
9.	DFT 02	Draftsman (Civil)	01 post [UR - 01]	26 (Page No. 132)	20 (Page No. 134)	As per details available on page no. 135
10.	WELD	Welding	01 post [OBC - 01]	48 (Page No. 137)	11 (Page No. 139)	As per details available on page no. 140
11.	GRIND	Tool & Cutter Grinding	01 post [UR - 01]	18 (Page No. 142)	18 (Page No. 143)	As per details available on page no. 144
12.	SMET	Sheet Metal	01 post [UR - 01]	18 (Page No. 145)	23 (Page No. 146)	As per details available on page no. 147
13.	CARP	Carpentry	01 post [UR - 01]	33 (Page No. 149)	43 (Page No. 151)	As per details available on page no. 153
14.	REF	Refrigeration	01 post [UR - 01]	51 (Page No. 155)	22 (Page No. 157)	As per details available on page no. 158
15.	COMP	Computer	03 posts [UR - 02, ESM - 01, PwBD - 01]	149 (Page No. 170)	127 (Page No. 175)	As per details available on page no. 179
16.	OPT	Machinist/ Grinding/ Optical polishing	02 posts [SC - 01, UR - 01]	17 (Page No. 182)	11 (Page No. 183)	As per details available on page no. 184
17.	PLUMB	Plumbing	02 posts [OBC - 01, UR - 01]	58 (Page No. 186)	28 (Page No. 189)	As per details available on page no. 191
18.	PAINT	Painting	01 post [UR - 01]	16 (Page No. 194)	13 (Page No. 195)	As per details available on page no. 196

The details of the reasons for application(s)/rejection codes are as under:-

Sr.No.	Reason(s)	Rejection code
1.	Overage	R-1
2.	Document for claim of age relaxation not uploaded	R-2
3.	Does not possess essential educational qualification as mentioned in the advertisement	R-3
4.	Does not possess essential experience as mentioned in the advertisement	R-4
5.	Document of passing of essential educational qualification as mentioned in advertisement not uploaded	R-5
6.	Document of essential experience as mentioned in advertisement not uploaded	R-6
7.	Certificate of Date of Birth or 10 th not uploaded	R-7
8.	Application fee not submitted	R-8
9.	NOC from present employer not submitted OR Application not routed through proper channel (in case of working in Govt. Deptt./PSU/Autonomous Body on regular basis only)	R-9
10.	Incomplete application (Unsigned application, photo not uploaded, not applied online, etc.)	R-10
11.	Caste/Category certificate (OBC/SC/ST) not uploaded	R-11
12.	Income and Asset Certificate issued by Competent Authority not uploaded (in case of EWS candidates)	R-12
13.	Disability certificate issued by Competent Authority not uploaded (in case of Persons with Benchmark Disabilities)	R-13
14.	Discharge Book/Certificate/PPO not uploaded (in case of Ex-Servicemen)	R-14
15.	Certificate relating to Widow/Divorced Woman/Woman Judicially separated from husband not uploaded	R-15
16.	Candidate name not same as in the certificate	R-16
17.	Duplicate Application	R-17

The following is also notified for the general information of the candidates:-

- A Written Test will be conducted for only those candidates who qualify in the Trade Test.
- The details regarding date, time, venue, admit cards, etc., of the Trade Test to be held in the future (at Chandigarh), will be made available on the Organisation's website in due course.
- The eligibility of shortlisted candidates is subject to verification of documents like experience certificates/marks sheets of educational qualifications, other documents and production of original certificates/testimonials as and when desired by this organisation. If any candidate is found ineligible at the document verification stage or fails to produce the original certificates/testimonials, his/her candidature shall be summarily cancelled.
- The candidature of the candidates is subject to fulfilling the minimum eligibility criteria as mentioned in the Advertisement No. 45/2022.
- All candidates are advised to visit our website www.csio.res.in regularly for updates.

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Senior Controller of Administration

1. Post Code: ELECT-01, Trade/Area: Electrical Engineering - 04 posts [OBC – 01, SC – 01, UR – 02, Horizontal Reservation – Ex-Serviceman (01 post)]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/एस टी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500015	RAVISHANKAR DUBEY	UR	Shortlisted
2.	230500023	HARIOM OLA	OBC	Shortlisted
3.	230500026	LALIT KUMAR	SC	Shortlisted
4.	230500047	SUBHASH CHAND	SC	Shortlisted
5.	230500056	VIKAS KUMAR	SC	Shortlisted
6.	230500067	BANOTH NAVEEN	ST	Shortlisted
7.	230500085	PRATIKSHA RAJESHWAR PENNEWAR	OBC	Shortlisted
8.	230500101	NEERAJ KUMAR SHAH	ST	Shortlisted
9.	230500111	AMANDEEP	SC	Shortlisted
10.	230500125	AJAY KUMAR DAS	SC	Shortlisted
11.	230500151	GULSHAN KUMAR	SC	Shortlisted
12.	230500190	MANISH KUMAR	SC	Shortlisted
13.	230500210	SHIVAM KUMAR	OBC	Shortlisted
14.	230500213	SAGAR NAIK	ST	Shortlisted
15.	230500223	KUSHAGRA	SC	Shortlisted
16.	230500232	AKASH MALAKAR	SC	Shortlisted
17.	230500241	PREETAM KUMAR	SC	Shortlisted
18.	230500246	MERAVATH DATHA	ST	Shortlisted
19.	230500258	ANUJ KUMAR	SC	Shortlisted
20.	230500263	RAKESH VERMA	SC	Shortlisted
21.	230500265	JAYANTA BARAI	SC	Shortlisted
22.	230500268	LAKEE	SC	Shortlisted
23.	230500273	GURTEJ SINGH	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/एस टी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
24.	230500282	MOHIT CHAWLA	SC	Shortlisted
25.	230500288	POOJA ANANTA PARVATE	OBC	Shortlisted
26.	230500293	MAYURI GANESH BHANGE	OBC/Gov	Shortlisted
27.	230500297	PRIYANKA SANNYASI	SC	Shortlisted
28.	230500331	SHARMILA	SC	Shortlisted
29.	230500342	AKASH SAGAR	SC	Shortlisted
30.	230500353	SUNIL KUMAR JAISWAR	SC	Shortlisted
31.	230500358	RINKU BAIRWA	SC	Shortlisted
32.	230500378	VIJENDRA KUMAR	SC	Shortlisted
33.	230500379	MANOJ	ST	Shortlisted
34.	230500382	DHARMENDER KUMAR	SC	Shortlisted
35.	230500458	AMANDEEP SINGH	SC	Shortlisted
36.	230500471	SANDEEP KUMAR	SC	Shortlisted
37.	230500495	RAVINDRA SURESH PAWAR	ST	Shortlisted
38.	230500512	MANJEET	SC	Shortlisted
39.	230500579	KARANI PRASAD	SC	Shortlisted
40.	230500614	SATISH KUMAR	SC	Shortlisted
41.	230500656	PINTU KUMAR	SC	Shortlisted
42.	230500720	AVNEESH KUMAR	SC	Shortlisted
43.	230500751	RAJAT ABHIJEET	SC	Shortlisted
44.	230500791	AJAY PRASAD NONIA	SC	Shortlisted
45.	230500854	JASWANT SINGH	SC	Shortlisted
46.	230500920	CHANDRAKANT KANERIYA	SC	Shortlisted
47.	230500925	SHIV CHARAN SOREN	ST	Shortlisted
48.	230501019	KAMLAKAR SEWAK RAMTEKE	SC	Shortlisted
49.	230501039	AMIT KUMAR	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/एस टी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
50.	230501048	SACHIN KUMAR	SC	Shortlisted
51.	230501066	BANOTHU BALU	ST	Shortlisted
52.	230501107	DILIP KUMAR	PwBD/SC	Shortlisted
53.	230501129	SONIA	UR	Shortlisted
54.	230501178	AMBAY ARYA KUMAR	SC	Shortlisted
55.	230501187	WATOLE ABHAY DEVIDAS	SC	Shortlisted
56.	230501217	SAMYAK RATNAGOSH GAJBHIYE	SC	Shortlisted
57.	230501226	KAMAL KISHOR	SC	Shortlisted
58.	230501230	IMDAD	UR/CSIR	Shortlisted
59.	230501234	BANOTH VISHNU	ST	Shortlisted
60.	230501278	SONAM KUMARI	OBC	Shortlisted
61.	230501287	MAHAVEER PARSAD	SC	Shortlisted
62.	230501324	RAMENDRA KUMAR CHAUDHARI	SC	Shortlisted
63.	230501353	SANDIPAN JANA	UR	Shortlisted
64.	230501368	NAVDEEP	SC	Shortlisted
65.	230501377	DIBYENDU BAIDYA	SC	Shortlisted
66.	230501399	SATEESH KUMAR	SC	Shortlisted
67.	230501404	ASHOK KUMAR	OBC	Shortlisted
68.	230501441	VIKAS	SC	Shortlisted
69.	230501465	PRIYANSHU SAHA	SC	Shortlisted
70.	230501470	RAHUL KUMAR	SC	Shortlisted
71.	230501494	PAWAN KUMAR KATARIA	SC	Shortlisted
72.	230501531	YOGENDRA KUMAR	SC	Shortlisted
73.	230501546	DINESH CHAUDHARI	SC	Shortlisted
74.	230501575	ROUNAK PRAKASHJI BORKAR	SC	Shortlisted
75.	230501582	MANOJ VASANTA PETKAR	SC	Shortlisted

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76.	230501590	VISHAL PRIYADARSHI	SC	Shortlisted
77.	230501645	SUNNY KUMAR	OBC	Shortlisted
78.	230501649	DALIP SINGH	SC	Shortlisted
79.	230501663	NEHAL KUMAR	SC	Shortlisted
80.	230501694	MANASH KUMAR	OBC	Shortlisted
81.	230501706	NIRAJ PASWAN	SC	Shortlisted
82.	230501731	AAKASH	SC	Shortlisted
83.	230501746	DEBAJIT SARKAR	SC	Shortlisted
84.	230501758	JAMI KRANTHI KITRAN	SC	Shortlisted
85.	230501778	GURDEET SINGH	UR	Shortlisted
86.	230501793	KM PUJA VERMA	OBC	Shortlisted
87.	230501803	TEMBHEKAR CHETAN KARU	SC	Shortlisted
88.	230501816	ARYANAVESH KUMAR	SC	Shortlisted
89.	230501820	ABHIMANYU BHARDWAJ	UR	Shortlisted
90.	230501876	BANOTH HITLAR	ST	Shortlisted
91.	230501891	DEVI PRAKASH KUMHAR	SC	Shortlisted
92.	230501911	AMAR JEET YADAV	OBC	Shortlisted
93.	230501936	PARVINDER SINGH	SC	Shortlisted
94.	230501956	PATKOTWAR RAM SHANKAR	SC	Shortlisted
95.	230502005	BISUNPURA SANDEEP	SC	Shortlisted
96.	230502007	BANOTH SUNITHA	ST	Shortlisted
97.	230502039	SUMANTA SAHA	SC	Shortlisted
98.	230502044	SUMAN GAGRAI	ST	Shortlisted
99.	230502053	TARU SINGH	OBC	Shortlisted
100.	230502082	NARENDRA KUMAR	SC	Shortlisted
101.	230502096	ADESH SURESH RANDIVE	OBC	Shortlisted
102.	230502107	KODI VIJAYASRI	OBC	Shortlisted

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103.	230502116	BAUBI KUMAR	SC	Shortlisted
104.	230502129	AMRESH KUMAR	SC	Shortlisted
105.	230502130	MUKUL KUMAR	SC	Shortlisted
106.	230502159	SHIV KUMAR	SC	Shortlisted
107.	230502209	BASITTI VENKAT RAO	SC	Shortlisted
108.	230502212	SACHIN KUMAR SINGH	SC	Shortlisted
109.	230502224	SURESH SINGH	EWS	Shortlisted
110.	230502244	THUTICHARLA VAMSHI KRISHNA	SC	Shortlisted
111.	230502250	ANAND KUMAR	SC	Shortlisted
112.	230502259	JOSAF	SC	Shortlisted
113.	230502260	RAHUL KANNAUJIA	SC/CSIR	Shortlisted
114.	230502285	BIRBAL	SC	Shortlisted
115.	230502296	LOKESH KUMAR	SC	Shortlisted
116.	230502311	VIKAS PANDURANG MORE	SC	Shortlisted
117.	230502331	VINOD SINGH	SC	Shortlisted
118.	230502333	NOGIA ASHISHKUMAR DAHIALAL	SC	Shortlisted
119.	230502338	KULWANT RAJ HARIJAN	SC	Shortlisted
120.	230502366	PARDEEP	SC	Shortlisted
121.	230502420	TEMBHEKAR JATEEN KARU	SC	Shortlisted
122.	230502446	NEERAJ KUMAR	SC	Shortlisted
123.	230502455	AZAD KUMAR DAS	SC	Shortlisted
124.	230502470	RAHUL	SC	Shortlisted
125.	230502478	MANISH KUMAR	SC	Shortlisted
126.	230502499	GADDAM ABISHEK	SC	Shortlisted
127.	230502572	SATYAM KUMAR	SC	Shortlisted
128.	230502621	HEMANT SINGH	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/एस टी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
129.	230502630	RAJKUMAR CHAKRABORTY	UR	Shortlisted
130.	230502677	TEJINDERPAL SINGH	SC	Shortlisted
131.	230502713	DHIRENDRA MANI BHARTI	SC	Shortlisted
132.	230502714	SAGAR KUMAR RAM	SC	Shortlisted
133.	230502743	SANDEEP KUMAR	SC	Shortlisted
134.	230502790	SUBIR HALDER	SC	Shortlisted
135.	230502805	GURDEEP	SC	Shortlisted
136.	230502817	ABHIK DAS	SC	Shortlisted
137.	230502833	MEENOO MAURYA	OBC	Shortlisted
138.	230502876	GOPAL SINGH	UR	Shortlisted
139.	230502944	ALLU VENKATA SAI KISHORE	OBC	Shortlisted
140.	230502968	SHRAVAN KUMAR PATEL	OBC	Shortlisted
141.	230502978	CHANDAN KUMAR MALIK	SC	Shortlisted
142.	230503002	CHITTARANJAN MUDULI	SC	Shortlisted
143.	230503010	DHEERAJ	SC	Shortlisted
144.	230503020	KAPIL BAROLIA	EWS	Shortlisted
145.	230503050	SUMESH SINGH	SC	Shortlisted
146.	230503062	KAMAL KUMAR	SC	Shortlisted
147.	230503063	KAPIL	SC	Shortlisted
148.	230503078	MALOTH GANESH	ST	Shortlisted
149.	230503181	PRATIMA KUMARI	SC	Shortlisted
150.	230503187	BURIDI KOTI	OBC/CSIR	Shortlisted
151.	230503194	SANTOKH SINGH	SC	Shortlisted
152.	230503202	ANAND KUMAR	SC	Shortlisted
153.	230503212	PRAMOD	UR/Gov	Shortlisted
154.	230503223	GANDHI NAYAK	SC	Shortlisted
155.	230503232	SANDEEP KUMAR GUPTA	OBC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/एस टी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
156.	230503252	AJAY TANDEKAR	SC	Shortlisted
157.	230503271	LOKANATH BEHERA	SC	Shortlisted
158.	230503275	CHARANJIT SINGH	SC	Shortlisted
159.	230503282	PRINCE	OBC	Shortlisted
160.	230503286	PARDEEP	SC	Shortlisted
161.	230503304	SUJIN S	OBC	Shortlisted
162.	230503309	CHANDNI YADAV	OBC	Shortlisted
163.	230503313	VINAY KUMAR	OBC	Shortlisted
164.	230503334	BABU RAM	SC	Shortlisted
165.	230503339	VIJAY KUMAR	SC	Shortlisted
166.	230503345	NARENDRA SHAKYA	SC	Shortlisted
167.	230503356	VISHAL KUMAR	UR	Shortlisted
168.	230503377	RAHUL KUMAR	OBC	Shortlisted
169.	230503400	AMAN KUMAR	SC	Shortlisted
170.	230503439	UMAKANTA BIBHAR	SC	Shortlisted
171.	230503462	SUDIPTA BISWAS	SC	Shortlisted
172.	230503527	KM RITU SAGAR	SC	Shortlisted
173.	230503584	RAM KUMAR	SC	Shortlisted
174.	230503595	KANCHAN	OBC	Shortlisted
175.	230503606	AMREEN FATIMA	OBC	Shortlisted
176.	230503622	VIJAY RAJAK	SC	Shortlisted
177.	230503653	BABLU JATAV	SC	Shortlisted
178.	230503661	SUNIL KUMAR	SC	Shortlisted
179.	230503671	PRIYANSHU SONWANI	SC	Shortlisted
180.	230503673	LALU RAM SAULARA	SC	Shortlisted
181.	230503716	ANKESH	SC	Shortlisted
182.	230503726	HEMRAJ PATEL	OBC	Shortlisted

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183.	230503759	VIVEKANANDA DAS	SC	Shortlisted
184.	230503780	YADVINDER SINGH	OBC	Shortlisted
185.	230503782	RAJAT KUMAR	SC	Shortlisted
186.	230503791	BANWARI LAL	OBC	Shortlisted
187.	230503816	KOSHNANDAN KUMAR	SC	Shortlisted
188.	230503831	NAVEEN KUMAR	SC	Shortlisted
189.	230503832	JAYRAM MOURYA	SC	Shortlisted
190.	230503870	HATHILA JIGNESHKUMAR	ST	Shortlisted
191.	230503872	ASHOK KUMAR MEENA	ST	Shortlisted
192.	230503883	AKASH SHARMA	UR	Shortlisted
193.	230503892	RAVINDER KUMAR	SC	Shortlisted
194.	230503908	MESHRAM GAURAV RAJKUMAR	SC	Shortlisted
195.	230503996	RAJESH KUMAR	SC	Shortlisted
196.	230504005	GOLLAMUDI SRINIIVASA RAO	PwBD/SC	Shortlisted
197.	230504010	HARMANPREET SINGH	SC	Shortlisted
198.	230504025	HARMANPREET SINGH	SC	Shortlisted
199.	230504026	SOURABH MEHRA	SC	Shortlisted
200.	230504033	AMANDEEP	UR	Shortlisted
201.	230504066	MANEESH KUMAR	OBC/CSIR	Shortlisted
202.	230504127	RAMSHANKAR DAMORIYA	SC	Shortlisted
203.	230504130	AMIT KUMAR	SC	Shortlisted
204.	230504138	SHASHI KANT	SC	Shortlisted
205.	230504144	SUKHWINDER SINGH	OBC	Shortlisted
206.	230504166	JOGI VISWASH	SC	Shortlisted
207.	230504176	HEMANT	SC	Shortlisted
208.	230504183	SHRADDHA SINGH	OBC	Shortlisted

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209.	230504207	VIVEK KUMAR	OBC	Shortlisted
210.	230504223	PRASHANT DIWAKAR	SC	Shortlisted
211.	230504241	KULWINDER SINGH	SC	Shortlisted
212.	230504252	NIKITA ARUN KHADSE	OBC	Shortlisted
213.	230504254	RAHUL KUMAR	SC	Shortlisted
214.	230504266	MONIKA RATHOUR	OBC	Shortlisted
215.	230504349	SACHIN KUMAR	OBC	Shortlisted
216.	230504367	LAXMAN AHIRWAR	SC	Shortlisted
217.	230504433	RITURAJ TAREI	SC	Shortlisted
218.	230504533	STEEVENSON VARDHANAPU	OBC/ESM	Shortlisted
219.	230504535	SHAILESH KUMAR	SC	Shortlisted
220.	230504551	DASARI RATNA KUMAR	SC	Shortlisted
221.	230504552	JOHAN MANDI	ST	Shortlisted
222.	230504554	JITENDRA KUMAR SHARMA	OBC	Shortlisted
223.	230504555	AMIT KUMAR	SC	Shortlisted
224.	230504586	VIKASH KUMAR	SC	Shortlisted
225.	230504598	ANKAJ KUMAR	SC	Shortlisted
226.	230504625	BIMAL KUMAR	UR	Shortlisted
227.	230504664	RISHABH	SC	Shortlisted
228.	230504695	TAPAS KUMAR MISHRA	UR	Shortlisted
229.	230504702	KOTHAPALLI SRINU	SC	Shortlisted
230.	230504709	PANKAJ KUMAR JHA	UR	Shortlisted
231.	230504751	MANOJ KUMAR	OBC	Shortlisted
232.	230504786	MONIKA	SC	Shortlisted
233.	230504789	RANJEET KUMAR	SC	Shortlisted
234.	230504810	TEKULAPALLI SANDHYA RANI	OBC	Shortlisted

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235.	230504837	VIMALA V	OBC	Shortlisted
236.	230504843	MUKESH	OBC	Shortlisted
237.	230504901	GURDEEP	OBC	Shortlisted
238.	230504916	JINIKUNTLA VENKATESH	OBC	Shortlisted
239.	230504943	PINKI	SC	Shortlisted
240.	230504958	AVINASH RAMDAS AVHAD	SC	Shortlisted
241.	230504963	BARAIYA NILESHBHAI PREMJIBHAI	SC/Gov	Shortlisted
242.	230504998	SURYA BHAN	OBC	Shortlisted
243.	230505018	ROSHANDEEP SINGH	SC	Shortlisted
244.	230505037	RAMESH KUMAR	OBC	Shortlisted
245.	230505098	PANKAJ KUMAR	SC	Shortlisted
246.	230505101	JARAPALA BALAJI	ST	Shortlisted
247.	230505124	MANISH KUMAR MAHAWAR	SC	Shortlisted
248.	230505127	ANKIT KUMAR	SC	Shortlisted
249.	230505150	AASHISH	UR	Shortlisted
250.	230505186	SUNIL KUMAR RAM	SC	Shortlisted
251.	230505197	AKKIREDDI UPENDRA	OBC	Shortlisted
252.	230505212	ASHISH	UR	Shortlisted
253.	230505235	PREETAM GUPTA	OBC	Shortlisted
254.	230505245	DEVENDRA SINGH LODHA	OBC	Shortlisted
255.	230505252	LAXMI DEVI	UR	Shortlisted
256.	230505270	SANJAY KUMAR	OBC	Shortlisted
257.	230505276	MD JAMEEL AKHTAR	OBC	Shortlisted
258.	230505277	CHHOTU PARASRAM WAGHMARE	SC	Shortlisted
259.	230505304	NEHAL SHISHUPAL HUMANE	SC	Shortlisted
260.	230505328	ANKIT	OBC	Shortlisted

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261.	230505335	RAJESH KUMAR YADAV	OBC	Shortlisted
262.	230505391	RAHUL	OBC	Shortlisted
263.	230505397	PRADEEP PARIHAR	EWS	Shortlisted
264.	230505447	RAJKUMAR GUPTA	OBC	Shortlisted
265.	230505451	HARPREET SINGH	SC	Shortlisted
266.	230505457	JASWANT SINGH	SC	Shortlisted
267.	230505471	GAURAV KUSHWAHA	OBC	Shortlisted
268.	230505486	TINKU	OBC	Shortlisted
269.	230505503	VISHAL RAJA	OBC	Shortlisted
270.	230505512	SHIV PRAKASH	OBC	Shortlisted
271.	230505513	VINOD SINGH KUSHWAH	OBC	Shortlisted
272.	230505514	SURYANSH KUMAR	UR	Shortlisted
273.	230505528	AJAY	OBC	Shortlisted
274.	230505531	RAHUL KULDEEP	SC	Shortlisted
275.	230505575	SUJEET KUMAR PAL	OBC	Shortlisted
276.	230505576	TAPAN KUMAR SANKHUA	OBC	Shortlisted
277.	230505621	RAJEEV SINGH	SC	Shortlisted
278.	230505622	ABHISHEK KUMAR	OBC	Shortlisted
279.	230505632	BHUPESH RAO	OBC	Shortlisted
280.	230505639	VIKASH KUMAR PANDEY	UR	Shortlisted
281.	230505647	SHEKHAR	SC	Shortlisted
282.	230505704	UMAKANT YADAV	OBC	Shortlisted
283.	230505734	SACHIN KUMAR	UR	Shortlisted
284.	230505741	VIKRAM	UR	Shortlisted
285.	230505743	SHIV CHARAN	UR	Shortlisted
286.	230505745	GANESH DHOSHIYA	SC	Shortlisted
287.	230505750	SAROJ YADAV	OBC	Shortlisted

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288.	230505758	AVANISH VERMA	OBC	Shortlisted
289.	230505763	SHANKAR KUMAR PASWAN	SC	Shortlisted
290.	230505793	CHIRAG GAUTAM	UR	Shortlisted
291.	230505794	ANKIT	SC	Shortlisted
292.	230505826	ANKIT YADAV	OBC	Shortlisted
293.	230505851	RAUT SUNITA SHAMRAO	SC	Shortlisted
294.	230505856	DAMINI	UR	Shortlisted
295.	230505861	DEEPAK KUMAR	ST	Shortlisted
296.	230505871	PRAMOD	UR	Shortlisted
297.	230505875	RAKESH GIRI	OBC	Shortlisted
298.	230500018	RITESH YADAV	OBC	Shortlisted
299.	230504750	JEDALA CHANDRASHEKAR	SC	Shortlisted

ELECT-01 - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एस सी/एसटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500028	SANJIV KUMAR	SC	R-3
2.	230500034	AJAY MEHARDA	SC	R-2,R-5,R-7,R-11
3.	230500037	RAVI KAROTIYA	SC	R-1,R-5
4.	230500069	KRISHAN KUMAR	SC	R-5
5.	230500087	PRADEEP KUMAR GAUTAM	SC	R-5,R-7,R-11
6.	230500091	PANKAJ	SC	R-5
7.	230500098	VINOD KUMAR	SC	R-5,R-7,R-11
8.	230500121	SANU MANDAL	SC	R-3,R-5,R-7,R-11
9.	230500128	NANDINI MAURYA	OBC	R-5,R-7
10.	230500132	RAJESH PRASAD	ST	R-5
11.	230500133	RAKESH SHAW	SC	R-3,R-5,R-7,R-11
12.	230500138	KRISHNA RAJBHAR	SC	R-5
13.	230500169	NIRANJAN PRAJAPATI	OBC	R-5,R-7
14.	230500170	SAGAR	SC	R-5,R-7
15.	230500172	GANASALA LAKSHMI NARAYANA	UR//CSIR	R-5
16.	230500189	VIKASH KUMAR	SC	R-5,R-7,R-11
17.	230500195	RANVEER JATAV	SC	R-5,R-11
18.	230500196	RAJAN KUMAR	ST	R-5
19.	230500199	VISHAL KUMAR	SC	R-3,R-5,R-7,R-11
20.	230500233	DIVYANI VIJAY BHAGAT	OBC	R-5,R-7
21.	230500235	SUMAN SAURABH	SC	R-5
22.	230500245	AJIT SINGH	UR/ESM	R-2,R-3,R-5
23.	230500271	SUMIT KUMAR	SC	R-5,R-11
24.	230500281	BANDHAN SINGH	ST	R-5

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25.	230500289	ROHIT RAKESHIYA	SC	R-5,R-11
26.	230500290	VARUN KUMAR SANDOVA	SC	R-1,R-3
27.	230500295	SANJEEV KUMAR RAJAK	SC	R-5
28.	230500301	MAYUR ANMOL KAMBLE	SC	R-5,R-7
29.	230500313	KAPIL KUKAR	SC	R-5,R-11
30.	230500350	PRAVEEN CHAUHAN	SC	R-5,R-11
31.	230500362	RAHUL KUMAR MEENA	ST	R-3,R-5,R-7
32.	230500374	DATAL SNEHA SHIVAJI	EWS	R-5,R-7,R-11,R-12
33.	230500388	ARVIND KUMAR REGAR	SC/Gov	R-1,R-5
34.	230500393	MOHIT KUMAR SINGH	SC	R-3
35.	230500400	SOUVIK BISWAS	SC/Gov	R-5,R-11
36.	230500415	DHRUBAJYOTI BANIK	SC/ESM	R-2,R-5,R-7,R-11
37.	230500442	GURJEET SINGH	SC/CSIR	R-5,R-7,R-11
38.	230500459	SUBHASH CHANDRA	SC	R-5,R-7
39.	230500466	MUSKAN RAWAT	OBC	R-5,R-7,R-11
40.	230500474	GUDALA CHANDEE RAO	SC	R-1,R-2,R-5,R-11
41.	230500486	KUNAL BISWAS	SC	R-5,R-7,R-11
42.	230500509	SUBODH KUMAR	OBC	R-3,R-8
43.	230500514	BANOTH CHARANKUMAR	ST	R-1
44.	230500534	ASHISH KUMAR GUPTA	PwBD/OBC	R-8
45.	230500542	PRIYA KHAN	OBC	R-5
46.	230500544	ASHOK KUMAR	SC	R-5
47.	230500553	KHEMRAJ MEENA	ST/ESM	R-3,R-4,R-6,R-14
48.	230500560	KAILASH CHAND VERMA	SC	R-3,R-5
49.	230500565	JEEVAN LAL	ST	R-3,R-5
50.	230500569	KARAN ROHIA	SC	R-3,R-5

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51.	230500573	RAVINDRA KUMAR	SC	R-3,R-5,R-7
52.	230500575	Abhishek ajayrao mankar	PwBD/ST/Gov	R-5,R-7
53.	230500597	ASHUTOSH KUMAR	SC	R-3
54.	230500612	RAJENDRA LALIYA	SC	R-5
55.	230500620	PUJA PATRA	OBC	R-3
56.	230500621	BALKU BEDIA	ST	R-5,R-7
57.	230500623	SHYAMLAL RAM	SC	R-5,R-7,R-11
58.	230500669	AMAN	OBC	R-5,R-8
59.	230500712	TANMAY MANDAL	ST	R-3,R-5,R-7
60.	230500722	ANAND SONKAR	SC	R-5,R-11
61.	230500734	GADDAM NIKHIL KUMAR	PwBD/SC	R-3
62.	230500747	NIDIGATTU NARASINGARAO	SC	R-5
63.	230500779	KUNDAN KUMAR	SC	R-3,R-5
64.	230500784	SHUBHAM KUMAR	SC	R-5,R-11
65.	230500786	ABHISHEK KOLHE	SC	R-5,R-7,R-11
66.	230500788	SANDEEP KUMAR	SC	R-2,R-3,R-5,R-11
67.	230500794	ABHAY KUMAR	SC/CSIR	R-5,R-7
68.	230500798	SURJEET SINGH	SC	R-5
69.	230500804	PRAMOD KUMAR	SC	R-11
70.	230500808	ESLAVATH DEVENDAR	ST/Gov	R-5,R-7
71.	230500838	SOUMEN NASKAR	SC	R-5
72.	230500883	JAIDEV SINGH	SC	R-2,R-3,R-5,R-7,R-11
73.	230500909	SANTOSH KUMAR SHAH	OBC/ESM	R-3,R-4,R-5,R-6,R-14
74.	230500921	MRINMOY KANJILAL	SC/CSIR/Gov	R-3,R-5,R-7
75.	230500923	ANIMESH KUMAR RAM	SC	R-5,R-7,R-11
76.	230500924	SATYAVEER	SC	R-2,R-5,R-7,R-11

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77.	230500931	MOOKOLLA RANGASWAMY	SC	R-1,R-2,R-3,R-11
78.	230500945	GANESH SANTOSH SHEJWAL	SC/Gov	R-5,R-7,R-11
79.	230500953	NAVEEN KUMAR	SC	R-5,R-7,R-11
80.	230500964	SUSHIL KUMAR RAM	SC	R-2,R-3,R-5,R-11
81.	230500987	ANUJ KUMAR	SC	R-1
82.	230500989	HARISH MOURYA	SC	R-3
83.	230500994	ROHIT	ST	R-5
84.	230501005	ANKIT	UR	R-5,R-7
85.	230501014	ASHU	OBC	R-5,R-8
86.	230501025	SAHIL KUMAR SAHOO	PwBD/OBC	R-8,R-11,R-13
87.	230501055	MOHIT KUMAR	OBC	R-3,R-8
88.	230501077	AJAY KUMAR	SC	R-5
89.	230501121	VIKASH	SC	R-3
90.	230501140	ANUJ KUMAR	SC	R-3,R-5
91.	230501150	ANIKET DHARAMRAJ VAIDYA	OBC/CSIR	R-3
92.	230501161	DHARAMRAJ	SC	R-5,R-11
93.	230501223	AJIT KALINDI	SC	R-3,R-5,R-7,R-11
94.	230501264	JAI PRAKASH	PwBD/OBC	R-3,R-5,R-7,R-8
95.	230501273	MAHENDRA KUMAR DHOLI	SC	R-1
96.	230501283	NITESH GAJANAN JANBANDHU	SC	R-3,R-5
97.	230501288	BHAWANA	SC	R-11
98.	230501310	RAHUL KUMAR	SC	R-5,R-7
99.	230501337	RAJU	SC	R-5,R-7,R-11
100.	230501347	TRINATH GAGARAI	ST	R-1,R-3,R-5,R-7
101.	230501379	MANMEET	SC	R-5,R-7,R-11

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102.	230501390	RITESH KUMAR	SC	R-3,R-5
103.	230501393	WAKODE AJAY BHIMRAO	SC	R-1,R-3,R-5
104.	230501398	MUKESH KUMAR	SC	R-1
105.	230501409	VISHAL	SC	R-5
106.	230501444	GUNDI SAIPRASAD	SC	R-5,R-7
107.	230501461	CHANDAN DAS	SC	R-1,R-3,R-5
108.	230501462	SATISH	SC	R-3,R-5,R-7
109.	230501477	MANISH KUMAR CHOUDHARY	PwBD/OBC	R-8
110.	230501489	GANDI SRIDHARA BABU	PwBD/OBC	R-5,R-8,R-11,R-13
111.	230501491	MESHARAM AMIT NARESH	SC	R-3,R-5
112.	230501492	CHANDAN KUMAR	SC	R-2,R-5,R-11
113.	230501499	SHISHIR MAJUMDER	SC/Gov	R-3,R-5,R-7
114.	230501525	ARJUN KUMAR	SC	R-5,R-11
115.	230501539	PAWAN RAVIDAS	SC	R-3,R-5,R-7
116.	230501559	UTTAM KUMAR BHAGAT	SC	R-1,R-5,R-7
117.	230501561	KAMAL KUMAR REGAR	SC	R-3,R-5
118.	230501568	MOHAN LAL	SC	R-3,R-5
119.	230501570	SAHEB ADHIKARY	SC	R-5
120.	230501583	AKASH	SC	R-11
121.	230501596	DUSHYANT	SC	R-5,R-7
122.	230501602	ANUJ KUMAR	SC	R-5,R-7,R-11
123.	230501614	AKASH KUMAR	SC	R-5,R-11
124.	230501651	VINAY TANWAR	OBC	R-5
125.	230501654	ROHIT	SC	R-5
126.	230501655	JUNDIKA MUNDA	ST	R-3,R-5,R-7
127.	230501664	BHUKIA PANDU	ST	R-2,R-3,R-5,R-11

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128.	230501680	SURENDRA KUMAR MEENA	ST	R-3,R-5
129.	230501697	MABUSUBHANI TATIPARTHI	SC	R-1,R-5,R-7,R-11
130.	230501699	LOKESH MEENA	ST	R-5,R-7
131.	230501704	RAVISHANKAR ERUGURALA	SC	R-2,R-5,R-11
132.	230501712	VIKAS KUMAR	SC	R-3,R-5
133.	230501716	SOMESH KUMAR	UR	R-8
134.	230501728	MANGESH WAHANE	SC	R-5,R-11
135.	230501733	RABI KANT MALLAH	SC	R-5,R-11
136.	230501742	KULDEEP KUMAR	SC	R-5
137.	230501747	ANIT KUMAR	SC	R-3,R-5,R-7,R-11
138.	230501768	CHINTU KHATARKAR	SC	R-3
139.	230501780	ANKUSH KUMAR	SC	R-3,R-5,R-7,R-11
140.	230501781	MAHIMA RAIKWAR	OBC	R-5
141.	230501785	KANHAIYA LAL	SC	R-5
142.	230501796	VIJAY KUMAR	SC	R-3,R-5
143.	230501810	KOMMU BHARGAV KUMAR	SC	R-5
144.	230501818	GOVINDA KUMAR RAJAK	SC	R-5,R-7
145.	230501825	SHIV KAILASH	SC	R-5
146.	230501831	RAJAT YADUWANSI	OBC	R-3,R-8
147.	230501836	OM PRAKASH BHARTI	SC	R-3
148.	230501839	MONTU	SC	R-5
149.	230501846	SISIRA KUMAR SETHI	SC	R-2,R-3,R-11
150.	230501848	BIRENDRA KUMAR	SC	R-5
151.	230501857	HITENDRA KAIWART	OBC	R-1,R-3,R-5,R-8
152.	230501859	SUDIPTA KR BISWAS	SC	R-1
153.	230501896	THIPPARAJU K	SC	R-2,R-11

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154.	230501898	ROHIT KUMAR	OBC	R-3,R-5,R-8,R-11
155.	230501905	RINKU	UR	R-5
156.	230501915	GANESH	SC	R-3,R-5
157.	230501919	ASHU	OBC	R-5,R-8,R-11
158.	230501930	SUNIL	SC	R-5,R-11
159.	230501932	JOHN PRAVEEN KUJUR	ST	R-5,R-7
160.	230501952	KONGARI SWETHA	OBC	R-5
161.	230501957	ANKUSH KUMAR	SC	R-2,R-5,R-11
162.	230502019	MAHESH YADORAO MESHRAM	SC	R-5
163.	230502030	SANDEEP	SC	R-5,R-11
164.	230502034	RAVIKUMAR	SC	R-2,R-5,R-11
165.	230502075	VIKAS KUMAR	SC/Gov	R-5
166.	230502100	LAVUDIYA SRIKANTH	ST	R-5
167.	230502138	IRFAN M	PwBD/OBC	R-1,R-8
168.	230502142	DILEEP KUMAR MEENA	ST/Gov	R-3,R-5
169.	230502171	NAVEEN KUMAR	SC	R-1
170.	230502175	BUDHRAM	OBC/CSIR	R-3,R-5
171.	230502179	MANDEEP SINGH	SC	R-5,R-11
172.	230502187	PARMEET	UR	R-5
173.	230502196	SHIVAM SHARMA	UR	R-5
174.	230502198	TEJAVATH BALAJI	ST	R-5
175.	230502200	GIRI SAI KRISHNA	SC	R-5
176.	230502213	SHIV DAYAL MMENA	ST	R-3,R-5,R-7
177.	230502220	SAYAN SARKAR	SC	R-5
178.	230502246	KULDEEP SHARMA	UR	R-5
179.	230502247	AJAY KUMAR	SC	R-5,R-11

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180.	230502266	ROZI	SC	R-3,R-5
181.	230502274	RAVINDRA NOGIA	SC	R-3
182.	230502279	RAHUL KUMAR	SC	R-3,R-5,R-7
183.	230502288	JITENDRA KUMAR	SC	R-3
184.	230502289	DINESH KUMAR	UR	R-5
185.	230502292	NARESH KUMAR	SC	R-1
186.	230502299	VIKASH TIRKEY	ST	R-5,R-7,R-11
187.	230502306	DHARMENDRA KUMAR THAKUR	OBC	R-3,R-5,R-8
188.	230502319	DEEPAK KUMAR	SC	R-5
189.	230502332	ABBURI VENKATA NAGA SUBBARAO	SC	R-3,R-5
190.	230502341	MUTHU KUMARAN	OBC	R-3,R-8
191.	230502383	TOTADA GANESH	OBC	R-5
192.	230502397	PANKAJ	PwBD/UR/Gov	R-5,R-8
193.	230502402	RUKHMANI SAHU	OBC	R-5,R-7,R-11
194.	230502413	MAHESH KUMAR	PwBD/SC	R-3,R-5
195.	230502433	DEBABRATA SARDAR	SC	R-5
196.	230502467	AAKASH JATAV	SC	R-5,R-11
197.	230502468	GAUSIYA FATMA	EWS	R-2,R-3,R-5,R-7,R-11
198.	230502472	SADANANDA PARASHURAM TALAWAR	ST/Gov	R-5
199.	230502483	PAMULA MURALI	SC	R-5,R-7,R-11
200.	230502485	SHIVAM PAL	OBC	R-5,R-7,R-11
201.	230502508	SHUBHAM KUMAR	SC	R-1,R-2,R-5,R-7,R-11
202.	230502530	RAJBIR SINGH	UR	R-3,R-8
203.	230502534	JIJO L	OBC/CSIR	R-4,R-5,R-7
204.	230502538	ANGOTHU JABBAR	ST	R-5

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205.	230502544	MEGHRAJ DIWAN	ST	R-5
206.	230502562	ASHISH THAKUR	UR	R-5,R-7,R-8,R-11
207.	230502564	AMIT KUMAR MAURAYA	OBC	R-1
208.	230502569	BHAGAT SANDESH CHANDRAKANT	SC	R-11
209.	230502578	LEENA MOHANE	OBC	R-5,R-8
210.	230502591	AZAAD RAWAT	SC	R-5
211.	230502610	JAI PAL	SC	R-1
212.	230502611	DILIP	UR	R-5,R-8
213.	230502616	KAMLESH MINZ	ST	R-5,R-7
214.	230502633	KANNEKANTI VINAY	OBC	R-8
215.	230502643	SHREEKANTANAİK N T	SC	R-5
216.	230502645	KATHIRAVAN K	SC	R-5
217.	230502654	PRADEEP KUMAR	SC	R-2,R-5,R-7,R-11
218.	230502659	DHARAVATH SRINIVAS	ST	R-2,R-3,R-5
219.	230502719	ANAND KUMAR SAGAR	SC	R-3
220.	230502720	SHYAM SUNDER	SC	R-1,R-3,R-5
221.	230502734	SUNIL KUMAR	OBC	R-5,R-7,R-11
222.	230502746	RAHUL KUMAR MOURYA	SC	R-5,R-11
223.	230502748	NARENDRA KUMAR	SC	R-5,R-11
224.	230502769	K SANKAR	SC/Gov	R-3
225.	230502798	MATTE BABOOL	SC	R-2,R-11
226.	230502799	DILIP	SC	R-5,R-11
227.	230502845	RAJEEV KUMAR SAHNI	OBC	R-5,R-8
228.	230502867	DEEPAK KUMAR	UR	R-5
229.	230502895	ANKIT	SC	R-11
230.	230502896	JITENDRA SINGH	SC	R-2,R-5,R-7,R-11

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231.	230502914	PRADEEP PHAROLIYA	SC	R-2,R-5,R-7,R-11
232.	230502920	RAMCHELA KUMAR	PwBD/SC	R-5
233.	230502926	ABHISHEK MEENA	ST	R-3,R-5,R-7
234.	230502929	SACHIN SHARMA	OBC	R-5
235.	230502930	RISAB KUMAR	SC	R-3,R-5
236.	230502935	RAJINDER SINGH	UR/ESM	R-2,R-3,R-5,R-7,R-11
237.	230502940	MRIGENDRA DAVID	SC/Gov	R-5,R-9
238.	230502950	AMIT KUMAR	SC	R-11
239.	230502963	SACHINDRA KUMAR	PwBD/OBC	R-5,R-8
240.	230502977	AMARDEEP KUMAR	SC	R-3
241.	230502986	AVINASH TEMBHURNIKAR	SC/Gov	R-1
242.	230502988	AVIJEET PRASAD	SC	R-3
243.	230502990	RAJ KUMAR	SC	R-2,R-3,R-5,R-7,R-11
244.	230502993	BASANTI BESRA	ST	R-5
245.	230503011	RAJAT KUMAR	SC	R-1,R-2,R-5,R-7,R-11
246.	230503014	CHHAGAN SINGH KHANDWAL	SC	R-3
247.	230503017	ROHIT	SC	R-5
248.	230503028	SRIKANT RAJWAR	SC	R-1,R-2,R-11
249.	230503054	AJAY KUMAR	SC	R-3
250.	230503067	DHAMMPALIKA RAHUL THOMBRE	PwBD/SC	R-5,R-7,R-11,R-13
251.	230503083	DEEPU RAWAT	SC	R-3,R-5,R-7,R-11
252.	230503091	KRISHAN KUMAR MEENA	ST	R-3
253.	230503108	ASHU KUMAR	SC	R-2,R-11
254.	230503113	HARDEEP SINGH	UR	R-5
255.	230503117	KRISHAN JAGRAT	SC	R-5

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256.	230503134	RAMVILAS	ST	R-3
257.	230503142	SONU KUMAR	SC	R-5,R-7,R-11
258.	230503149	SIDDHARTHA MANDAL	SC	R-5
259.	230503154	RAJU GAYEN	SC	R-5,R-7
260.	230503155	DIPAK MAJHI	ST	R-3,R-5
261.	230503158	AARJIT BAITHA	SC	R-1
262.	230503203	RAHUL TOMAR	ST	R-5,R-7,R-11
263.	230503208	TARUNA MEHRA	SC	R-3,R-5
264.	230503215	ADITYA RAJ	SC	R-5
265.	230503228	AKKIVARAPU BANGARU RAJU	SC	R-2,R-11
266.	230503259	HEMANT KUMAR	OBC	R-5
267.	230503267	DEEPAK KUMAR NARWAL	SC	R-3,R-5
268.	230503279	SUMAN GILL	SC/CSIR	R-5,R-11
269.	230503285	ABHILASH PRABHAKAR SOMKUWAR	SC	R-3
270.	230503287	TUSHAR SAINI	OBC	R-8
271.	230503296	R THIRUPATHI	OBC/ESM	R-1,R-2,R-3,R-5,R-7,
272.	230503297	JHANAK RAJ RAWTE	ST	R-5,R-7
273.	230503300	SHASHIBALA	SC	R-5,R-11
274.	230503323	SURYA BHAN	SC	R-5
275.	230503347	SUMIT KUMAR	UR/Gov	R-1,R-2,R-5,R-7
276.	230503348	SAHIL	OBC	R-8
277.	230503352	ANUJ	SC	R-11
278.	230503374	CHANDRESH YADAV	PwBD/OBC	R-1,R-3,R-5,R-8
279.	230503379	SOMNATH ROY	UR	R-5,R-7
280.	230503391	VISHAL KUMAR RAJBHAR	OBC	R-5

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281.	230503420	RASPREET SINGH	UR	R-3,R-8
282.	230503424	DEEPALI DONGRE	SC	R-5,R-7,R-11
283.	230503434	VIJAY SINGH	SC	R-3
284.	230503436	SUKANTA HALDER	PwBD/SC	R-5
285.	230503479	RAJU LAL VERMA	SC	R-2,R-5,R-7,R-11
286.	230503490	DEBASHIS GAYEN	SC	R-3,R-5,R-7
287.	230503499	PRADOSH KUMAR KANDI	SC	R-3,R-5,R-7
288.	230503526	NAHARSINGH MEEN	ST	R-5
289.	230503554	MOHAMMED HAMDULLA P	ST	R-5,R-7
290.	230503570	ULLASI ASHOK REDDY	UR	R-1,R-2,R-3,R-5,R-7,
291.	230503581	SUNIL KUMAR	OBC/ESM	R-3,R-5
292.	230503582	RAKHI KUMARI SINGH	UR	R-5
293.	230503587	SHASHWAT	SC	R-11
294.	230503590	DHONTHARA VENI VISHNU VARDHAN	PwBD/OBC	R-5,R-7,R-8,R-11,R-1
295.	230503591	ANIL KUMAR SAINI	OBC	R-5,R-8
296.	230503598	SANTOSH KUMAR	SC	R-1,R-5
297.	230503608	GURPREET SINGH	SC	R-5
298.	230503613	ASHISH KUMAWAT	OBC	R-5
299.	230503644	MOHIT	UR/CSIR	R-5
300.	230503662	RUBI JAYASWAL	OBC	R-5
301.	230503667	RANJAN KUMAR PASAWAN	SC	R-5
302.	230503679	SHIV KUMAR	SC	R-5,R-7,R-11
303.	230503693	SOURABH BORASI	SC	R-5,R-7,R-11
304.	230503699	VIJAY KUMAR SHARMA	UR	R-5
305.	230503705	PARDEEP KUMAR	SC	R-5
306.	230503710	SATGUR SINGH	SC	R-5

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307.	230503729	PRADEEP KUMAR	SC	R-2,R-5,R-7,R-11
308.	230503739	ANIL KUMAR SAINI	OBC	R-5
309.	230503741	SHASHI BHUSHAN	PwBD/OBC	R-5,R-8
310.	230503743	SHUBHAM KUMAR	SC	R-2,R-3,R-11
311.	230503745	HARDEEP KAUR	OBC	R-5,R-11
312.	230503749	MANDEEP KAUR	OBC	R-5
313.	230503753	RAMHARESH MEENA	ST	R-1,R-2,R-11
314.	230503756	SUNIL KUMAR BAIRWA	SC	R-5,R-11
315.	230503757	MOHIT	SC	R-5
316.	230503763	JARPULA RAJA	ST	R-5
317.	230503766	PUJA ROY	UR	R-3,R-5
318.	230503777	SRINIVASA N	SC	R-5
319.	230503783	PULKIT	UR	R-5,R-8
320.	230503796	ROHIT KUMAR	ST	R-3,R-5
321.	230503805	MONU RAM	SC	R-2,R-5,R-7,R-11
322.	230503829	SONU ROHILA	OBC	R-5
323.	230503848	DIVYANSH SINGH	SC	R-3
324.	230503856	KAPIL DEV	UR/ESM	R-2
325.	230503859	PULKIT	UR	R-5
326.	230503864	VIJAY KUMAR SAINI	OBC	R-3,R-5,R-8,R-11
327.	230503885	SANDEEP KUMAR	UR	R-5,R-8
328.	230503900	JYOTI	UR	R-5
329.	230503910	PINKI BEHERA	SC	R-3
330.	230503921	BABLI KUMARI	OBC	R-5,R-7
331.	230503933	ANOOP KUMAR	OBC/CSIR/Gov	R-11
332.	230503955	JADUNATH MARANDI	ST	R-5,R-7

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333.	230503970	RAVI	SC	R-5
334.	230503973	PRABHAT KUMAR	SC	R-5,R-7
335.	230503980	JAY SINGH VERMA	SC	R-1
336.	230503989	ABHISHEK SHAKKARWAL	SC	R-11
337.	230504000	MANJUNATHREDDY M	OBC	R-5
338.	230504020	NEDURU DURGA PRASAD	SC	R-1,R-5
339.	230504022	INDRAJEET KA MAL	SC/Gov	R-5
340.	230504028	MOHIT	SC	R-5
341.	230504033	AMANDEEP	SC	R-11
342.	230504038	KRISHNA SREE J A	SC	R-3,R-11
343.	230504057	SUDIP KUMAR MAITY	UR	R-8
344.	230504059	RAVI KUMAR	SC	R-1
345.	230504087	SAIKAT SAHA	SC	R-5
346.	230504116	RAM DAYAL KUMAWAT	OBC	R-3,R-8
347.	230504145	PARSADI MEENA	ST	R-3,R-5
348.	230504148	BOOTA SINGH	SC	R-5,R-7
349.	230504152	NILAKANTHA BEHERA	SC	R-1,R-3,R-5,R-7
350.	230504156	RAKESH KUMAR	SC	R-1,R-5,R-7
351.	230504161	RAMAYANAM ANIL	OBC	R-5
352.	230504188	ROHAN KUMAR	SC	R-5
353.	230504191	NAVEEN KUMAR DAS	SC	R-3,R-5,R-7
354.	230504232	DHARMPAL HARIJAN	SC/Gov	R-2,R-3,R-5,R-7,R-11
355.	230504236	SATYAJEET	OBC	R-5
356.	230504238	SACHIN	OBC	R-5,R-8
357.	230504259	PREM RANJAN KUMAR	PwBD/OBC	R-8,R-13
358.	230504299	MONESH GOUTAM	OBC	R-1,R-2,R-5

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359.	230504303	MERAVATH MUNI	ST	R-5
360.	230504319	NAVEEN KUMAR	SC	R-3,R-5
361.	230504342	VIKASH KUMAR	SC	R-5,R-11
362.	230504356	SANJAY TIGGA	ST/Gov	R-5
363.	230504369	JAY TEKCHAND BANSOD	SC	R-5
364.	230504394	KADARLA SANTHOSH	OBC/CSIR	R-1,R-3,R-5,R-7,R-11
365.	230504398	CHAMKILA	SC	R-5
366.	230504410	GARIKA MAHIMANANDAM	ST	R-5
367.	230504416	NAVEEN KUMAR	SC	R-5,R-7,R-11
368.	230504442	SIGNH RAVINDRA PREM	SC	R-3
369.	230504444	AKHILESH KUMAR	PwBD/OBC	R-5,R-8,R-11
370.	230504503	SUSHIL KUMAR	SC	R-1,R-2,R-5,R-7,R-11
371.	230504509	PAWAN KUMAR	OBC/ESM	R-5
372.	230504520	NISHA KUMARI	OBC	R-5
373.	230504528	ANKUSH GULERIA	UR	R-1,R-2,R-5,R-8,R-11
374.	230504529	VINOD KUMAR SAINI	OBC	R-5
375.	230504541	PINKY SAINI	OBC/Gov	R-5,R-9
376.	230504549	MANNELA SREENIVASULU	SC	R-1,R-2,R-11
377.	230504553	PRADEEP SIVANAYYA	SC	R-3,R-11
378.	230504560	AJAY	UR	R-5
379.	230504587	JITENDRA MORYA	SC	R-11
380.	230504606	NIRDOSH KUMAR	SC/Gov	R-5,R-7
381.	230504616	SUKHWINDER SINGH	SC	R-5
382.	230504626	DHEERAJ KUMAR	UR	R-3,R-5,R-7,R-8
383.	230504633	PARMANAND KUMAR	UR	R-1,R-8
384.	230504637	DEEPA YADAV	OBC	R-5,R-7

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385.	230504682	SUBHAM	SC	R-5
386.	230504692	SHIV LAL CARPENTER	OBC	R-1,R-2,R-5
387.	230504706	ROHIT	UR	R-5
388.	230504717	ARVIND KUMAR SEWALIYA	SC	R-3,R-5,R-7,R-11
389.	230504752	LINA DNYANESHWAR WAGHMARE	OBC	R-5
390.	230504760	MADHU MANGAL DAS	SC	R-5
391.	230504764	MOHINI MANDAL	SC/CSIR	R-5,R-7
392.	230504785	SATYAVEER	SC/Gov	R-2,R-3,R-5,R-7,R-11
393.	230504787	INDRAJEET GANGWAL	SC	R-2,R-11
394.	230504791	PAWAN KUMAR PAHARIA	SC	R-3
395.	230504800	MUKESH KUMAR CHAUDHARY	SC	R-3,R-5
396.	230504869	TANUJ KUMAR PAL	OBC	R-8
397.	230504877	LAKASH KUMAR	SC	R-3,R-5
398.	230504882	DUBBAKU RAVITEJA	SC	R-5,R-7,R-11
399.	230504886	NAVRATAN MEENA	ST	R-3
400.	230504906	RAVINDRA KUMAR BAIRWA	SC	R-3,R-5
401.	230504918	KRISHAN KUMAR	UR/ESM	R-1,R-2,R-3,R-4,R-5,
402.	230504922	DHAPA	UR	R-3,R-5,R-7
403.	230504925	PROSANTO SIRALI	SC	R-3,R-5,R-7,R-11
404.	230504928	DHAMA SINGH	SC	R-2,R-3,R-5,R-7,R-11
405.	230504934	ANUJ	SC	R-5
406.	230504941	KARAMVEER	OBC	R-2,R-3,R-8,R-11
407.	230504945	SUSHIL VERMA	SC	R-5
408.	230504955	VINOD V	SC	R-2,R-11
409.	230505003	SUNIL KUMAR GOND	ST/ESM	R-4,R-5,R-5,R-6,R-14

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एस सी/एसटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
410.	230505051	RAMDAYAL MEENA	ST	R-5
411.	230505052	SUNNY KUMAR	SC	R-5
412.	230505072	LALIT KUMAR	SC	R-3
413.	230505075	SONU KUMAR	SC	R-11
414.	230505081	SHIVAM KUMAR	UR	R-3,R-8
415.	230505090	MD AFTAB ALAM	OBC	R-5,R-7
416.	230505094	ARMANDEEP SINGH	SC	R-5
417.	230505104	HARISH BHAGAT	SC	R-3,R-5
418.	230505129	NUZHAT PARVEEN QURESHI	OBC	R-5
419.	230505157	DEVENDRA SINGH BAIRWA	SC	R-5
420.	230505165	ANAGHA RAJAN	OBC	R-3,R-5,R-7
421.	230505187	HARIKRISHNA MEHRA	SC	R-1
422.	230505189	MOHD RASHID MANSOORI	OBC	R-1,R-5,R-8
423.	230505194	RABIDAS HRMBRAM	ST	R-3,R-5
424.	230505195	PRHALAD KUMAR	SC	R-3
425.	230505200	DAHIYA YASHPALBHAI	UR	R-5
426.	230505219	KOKKILIGADDA SRINIVASARAO	SC	R-2,R-11
427.	230505227	ROHIT	OBC	R-3,R-5,R-8
428.	230505229	PRAJWAL PRAKASH PATTAN	SC	R-5
429.	230505248	GOVIND KUMAR	SC	R-3
430.	230505250	ASHISH YADAV	UR	R-5,R-7
431.	230505268	DHIRAJ PRAJAPAT	OBC	R-5
432.	230505281	SAANDEEP KUMAR	SC	R-5
433.	230505293	SUNIL KUMAR	SC	R-5
434.	230505306	DINESH CHANDRA SAROJ	SC	R-1,R-2,R-5,R-11
435.	230505323	RAJ CHOUDHARY	SC	R-5

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436.	230505333	VAIBHAV PARMAR	OBC	R-8
437.	230505346	NIRAJ KUMAR	SC	R-5,R-7,R-11
438.	230505351	ABDUL	OBC	R-1,R-2,R-3,R-5,R-7,
439.	230505367	SHIVMOORAT KUMAR	SC	R-5,R-7
440.	230505376	AJAY KUMAR	SC	R-5
441.	230505377	MADAN RATHOUR	OBC	R-5
442.	230505379	VIJAY KUMAR VARMA	PwBD/UR	R-3,R-8
443.	230505382	ANUJ KUMAR MAHATO	SC	R-3
444.	230505385	MS AMISHA JARWAL	ST	R-3
445.	230505392	MAHESH	SC	R-5,R-7
446.	230505394	JONY	OBC	R-5,R-8
447.	230505411	PANKAJ KUMAR YADAV	OBC	R-5
448.	230505414	KODAVATIKANTI SRIKANTH	SC	R-2,R-3,R-5,R-7,R-11
449.	230505427	SANDEEP KUMAR	OBC	R-8
450.	230505428	BHAGWAN KUMAR VERMA	SC	R-11
451.	230505442	MANEESH LAL	SC	R-5,R-7,R-11
452.	230505452	MURALI RAM	SC	R-11
453.	230505462	GHAN SHYAM	UR	R-1,R-5,R-8
454.	230505473	GHAN SHYAM	OBC	R-1,R-5
455.	230505492	BIDYUT BAIDYA	SC	R-3,R-5
456.	230505496	PRAVEEN	UR/Gov	R-1,R-2
457.	230505542	ANIL KUMAR	SC	R-3,R-11
458.	230505548	RAJNISH KUMAR	SC	R-3,R-5,R-11
459.	230505553	SUNIL	SC	R-11
460.	230505573	RASPAL BAIRWA	SC	R-5
461.	230505613	SUMIT KUMAR	SC	R-5

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462.	230505624	VISHAL	SC	R-11
463.	230505640	MANISH MEHTA	OBC	R-5
464.	230505642	NAIK AKASH SHANKAR	SC	R-1
465.	230505644	SAKSHEE	SC	R-5
466.	230505655	SHUBHAM KUMAR	OBC	R-11
467.	230505668	ANURAG MISHRA	UR	R-5
468.	230505686	L KRUPAKAR	OBC/Gov	R-1,R-5
469.	230505724	RAJENDRA SIAL	SC	R-3
470.	230505730	HIMANSHU GUSAIN	UR	R-3,R-8
471.	230505736	AMIT KUMAR THAKUR	UR/ESM	R-2
472.	230505742	SUSHIL KUMAR PATEL	OBC/CSIR	R-1,R-2,R-5
473.	230505762	MUKESH	OBC	R-3,R-5,R-8
474.	230505771	SADDAM ANSARI	OBC	R-5
475.	230505772	ABHIJIT BERA	SC	R-5
476.	230505812	PRAMOD KUMAR	OBC	R-5
477.	230505842	RITTIK SARKAR	SC	R-3
478.	230505846	ANANDA GOPAL ACHARJYA	UR	R-7
479.	230505853	CHETAN	OBC	R-3,R-5,R-8
480.	230505870	PAWAN KUMAR	OBC	R-3,R-5,R-8
481.	230503064	LAXMI NARAYAN MEENA	ST	R-1

Reference Learning Outcome	Professional Skills (Trade Practical)	Professional Knowledge (Trade Theory)
Prepare profile with an appropriate accuracy as per drawing following safety precautions.	<ol style="list-style-type: none">1. Visit various sections of the institutes and location of electrical installations.2. Identify safety symbols and hazards.3. Preventive measures for electrical accidents and practice steps to be taken in such accidents.4. Practice safe methods of fire fighting in case of electrical fire.5. Use of fire extinguishers.	Scope of the electrician trade. Safety rules and safety signs. Types and working of fire extinguishers.
	<ol style="list-style-type: none">6. Practice elementary first aid.7. Rescue a person and practice artificial respiration.8. Disposal procedure of waste materials.9. Use of personal protective equipment.10. Practice on cleanliness and procedure to maintain it.	First aid safety practice. Hazard identification and prevention. Personal safety and factory safety. Response to emergencies e.g., power failure, system failure and fire etc.

	<p>11. Identify trade tools and machineries.</p> <p>12. Practice safe methods of lifting and handling of tools & equipment.</p> <p>13. Select proper tools for operation and precautions in operation.</p> <p>14. Care & maintenance of trade tools.</p>	<p>Concept of Standards and advantages of BIS/ISI.</p> <p>Trade tools specifications.</p> <p>Introduction to National Electrical Code-2011.</p>
	<p>15. Operations of allied trade tools.</p> <p>16. Workshop practice on filing and hacksawing.</p>	<p>Allied trades: Introduction to fitting tools, safety precautions.</p> <p>Description of files, hammers, chisels hacksaw frames, blades, their specification and grades.</p> <p>Types of drills, description & drilling machines.</p>
<p>Prepare electrical wire joints, carry out soldering, crimping and measure insulation resistance of underground cable.</p>	<p>17. Prepare terminations of cable ends</p> <p>18. Practice on skinning, twisting and crimping.</p> <p>19. Identify various types of cables and measure conductor size using SWG and micrometer. .</p>	<p>Fundamentals of electricity, definitions, units & effects of electric current.</p> <p>Conductors and insulators. Conducting materials and their comparison.</p>
	<p>20. Make simple twist, married, Tee and western union joints.</p> <p>21. Make Britannia straight, Britannia Tee and rat tail joints.</p> <p>22. Practice in Soldering of joints / lugs.</p>	<p>Joints in electrical conductors.</p> <p>Techniques of soldering. Types of solders and flux.</p>

	<p>23. Identify various parts, skinning and dressing of underground cable.</p> <p>24. Make straight joint of difference types of underground cable.</p> <p>25. Test insulation resistance of underground cable using megger.</p> <p>26. Test underground cables for faults and remove the fault.</p>	<p>Underground cables: Description, types, various joints and testing procedure. Cable insulation & voltage grades.</p> <p>Precautions in using various types of cables.</p>
Verify characteristics of electrical and magnetic circuits.	<p>27. Practice on measurement of parameters in combinational electrical circuit by applying Ohm's Law for different resistor values and voltage sources and analyse by drawing graphs.</p> <p>28. Measure current and voltage in electrical circuits to verify Kirchhoff's Law</p> <p>29. Verify laws of series and parallel circuits with voltage source in different combinations.</p>	<p>Ohm's Law; Simple electrical circuits and problems.</p> <p>Kirchhoff's Laws and applications.</p> <p>Series and parallel circuits. Open and short circuits in series and parallel networks.</p>
	<p>30. Measure voltage and current against individual resistance in electrical circuit.</p> <p>31. Measure current and voltage and analyse the effects of shorts and opens in series circuit.</p> <p>32. Measure current and voltage and analyse the effects of shorts and opens in parallel circuit.</p>	

	<p>33. Measure resistance using voltage drop method.</p> <p>34. Measure resistance using Wheatstone bridge.</p> <p>35. Determine the thermal effect of electric current.</p> <p>36. Determine the change in resistance due to temperature.</p> <p>37. Verify the characteristics of series parallel combination of resistors.</p>	<p>Laws of Resistance and various types of resistors.</p> <p>Wheatstone bridge; principle and its applications.</p> <p>Effect of variation of temperature on resistance.</p> <p>Different methods of measuring the values of resistance.</p> <p>Series and parallel combinations of resistors.</p>
	<p>38. Determine the poles and plot the field of a magnet bar.</p> <p>39. Wind a solenoid and determine the magnetic effect of electric current.</p> <p>40. Determine direction of induced emf and current.</p>	<p>Magnetic terms, magnetic materials and properties of magnet.</p> <p>Principles and laws of electro-magnetism.</p> <p>Self and mutually induced EMFs.</p> <p>Electrostatics: Capacitor- Different types, functions, grouping and uses.</p>
	<p>41. Practice on generation of mutually induced emf.</p> <p>42. Measure the resistance, impedance and determine inductance of choke coils in different combinations.</p> <p>43. Identify various types of capacitors, charging / discharging and testing.</p> <p>44. Group the given capacitors to get the required capacity and voltage rating.</p>	

	<p>45. Measure current, voltage and PF and determine the characteristics of RL, RC and RLC in AC series circuits.</p> <p>46. Measure the resonance frequency in AC series circuit and determine its effect on the circuit.</p> <p>47. Measure current, voltage and PF and determine the characteristics of RL, RC and RLC in AC parallel circuits.</p> <p>48. Measure the resonance frequency in AC parallel circuit and determine its effects on the circuit.</p> <p>49. Measure power, energy for lagging and leading power factors in single phase circuits and compare characteristic graphically.</p> <p>50. Measure Current, voltage, power, energy and power factor in three phase circuits</p> <p>51. Practice improvement of PF by use of capacitor in three phase circuit.</p>	<p>Inductive and capacitive reactance, their effect on AC circuit and related vector concepts.</p> <p>Comparison and Advantages of DC and AC systems.</p> <p>Related terms frequency, Instantaneous value, R.M.S. value Average value, Peak factor, form factor, power factor and Impedance etc. Sine wave, phase and phase difference. Active and Reactive power. Single Phase and three-phase system. Problems on A.C. circuits.</p>
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	<p>52. Ascertain use of neutral by identifying wires of a 3- phase 4 wire system and find the phase sequence using phase sequence meter.</p> <p>53. Determine effect of broken neutral wire in three phase four wire system.</p> <p>54. Determine the relationship between Line and Phase values for star and delta connections.</p> <p>55. Measure the Power of three phase circuit for balanced and unbalanced loads.</p> <p>56. Measure current and voltage of two phases in case of one phase is short- circuited in three phase four wire system and compare with healthy system.</p>	<p>Advantages of AC poly-phase system.</p> <p>Concept of three-phase Star and Delta connection.</p> <p>Line and phase voltage, current and power in a 3 phase circuits with balanced and unbalanced load.</p> <p>Phase sequence meter.</p>
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<p>Install, test and maintenance of batteries and solar cell.</p>	<p>57. Use of various types of cells.</p> <p>58. Practice on grouping of cells for specified voltage and current under different conditions and care.</p> <p>59. Prepare and practice on battery charging and details of charging circuit.</p> <p>60. Practice on routine, care/ maintenance and testing of batteries.</p> <p>61. Determine the number of solar cells in series / parallel for given power requirement.</p>	<p>Chemical effect of electric current and Laws of electrolysis.</p> <p>Explanation of Anodes and cathodes.</p> <p>Types of cells, advantages / disadvantages and their applications.</p> <p>Lead acid cell; Principle of operation and components.</p> <p>Types of battery charging, Safety precautions, test equipment and maintenance.</p> <p>Basic principles of Electro-plating and cathodic protection.</p> <p>Grouping of cells for specified voltage and current.</p> <p>Principle and operation of solar cell.</p>
<p>Estimate, Assemble, install and test wiring system.</p>	<p>62. Identify various conduits and different electrical accessories.</p> <p>Practice cutting, threading of different sizes & laying Installations. Prepare test boards / extension boards and mount accessories like lamp holders, various switches, sockets, fuses, relays, MCB, ELCB, MCCB etc.</p>	<p>I.E. rules on electrical wiring. Types of domestic and industrial wirings.</p> <p>Study of wiring accessories e.g. switches, fuses, relays, MCB, ELCB, MCCB etc.</p> <p>Grading of cables and current ratings.</p> <p>Principle of laying out of domestic wiring.</p> <p>Voltage drop concept.</p>

	<p>65. Draw layouts and practice in PVC Casing-capping, Conduit wiring with minimum to a greater number of points of minimum 15 mtr length. Wire up PVC conduit wiring to control one lamp from two different places. Wire up PVC conduit wiring to control one lamp from three different places.</p> <p>66. Wire up PVC conduit wiring and practice control of sockets and lamps in different combinations using switching concepts.</p>	<p>PVC conduit and Casing-capping wiring system.</p> <p>Different types of wiring-Power, control, Communication and entertainment wiring.</p> <p>Wiring circuits planning, permissible load in sub- circuit and main circuit.</p>
	<p>69. Wire up the consumers main board with MCB & DB's switch and distribution fuse box.</p> <p>70. Prepare and mount the energy meter board.</p>	<p>Estimation of load, cable size, bill of material and cost.</p> <p>Inspection and testing of wiring installations.</p> <p>Special wiring circuit e.g., godown, tunnel and workshop etc.</p>
	<p>71. Estimate the cost/bill of material for wiring of hostel/ residential building and workshop.</p> <p>72. Practice wiring of hostel and residential building as per IE rules.</p> <p>73. Practice wiring of institute and workshop as per IE rules.</p> <p>74. Practice testing / fault detection of domestic and industrial wiring installation and repair. .</p>	

<p>Plan and prepare Earthing installation.</p>	<p>75. Prepare pipe earthing and measure earth resistance by earth tester / megger.</p> <p>76. Prepare plate earthing and measure earth resistance by earth tester / megger.</p> <p>77. Test earth leakage by ELCB and relay.</p>	<p>Importance of Earthing.</p> <p>Plate earthing and pipe earthing methods and IEE regulations.</p> <p>Earth resistance and earth leakage circuit breaker.</p>
<p>Plan and execute electrical illumination system and test.</p>	<p>78. Install light fitting with reflectors for direct and indirect lighting.</p> <p>79. Group different wattage of lamps in series for specified voltage.</p> <p>80. Practice installation of various lamps e.g., fluorescent tube, HP mercury vapour, LP mercury vapour, HP sodium vapour, LP sodium vapour, metal halide etc.</p> <p>81. Prepare decorative lamp circuit to produce rotating light effect/running light effect.</p> <p>82. Install light fitting for show case lighting.</p>	<p>Laws of Illuminations.</p> <p>Types of illumination system. Illumination factors, intensity of light.</p> <p>Type of lamps, advantages/ disadvantages and their applications.</p> <p>Calculations of lumens and efficiency</p>

<p>Select and perform measurements using analog / digital instruments and install/ diagnose smart meters.</p>	<p>83. Practice on various analog and digital measuring Instruments.</p> <p>84. Practice on measuring instruments in single and three phase circuits e.g., multi-meter, Wattmeter, Energy meter, Phase sequence meter and Frequency meter etc.</p> <p>85. Measure power in three phase circuit using two wattmeter methods.</p> <p>86. Measure power factor in three phase circuit by using power factor meter and verify the same with voltmeter, ammeter and wattmeter readings.</p> <p>87. Measure electrical parameters using tong tester in three phase circuits.</p> <p>88. Demonstrate Smart Meter, its physical components and Communication components.</p> <p>89. Perform meter readings, install and diagnose smart meters.</p>	<p>Classification of electrical instruments and essential forces required in indicating instruments.</p> <p>PMMC and Moving iron instruments.</p> <p>Measurement of various electrical parameters using different analog and digital instruments.</p> <p>Measurement of energy in three phase circuit.</p> <p>Automatic meter reading infrastructures and Smart meter.</p> <p>Concept of Prosumer and distributed generation.</p> <p>Electrical supply requirements of smart meter, Detecting/clearing the tamper notifications of meter.</p>
<p>Perform testing, verify errors and calibrate instruments.</p>	<p>90. Practice for range extension and calibration of various measuring instruments.</p> <p>91. Determine errors in resistance measurement by voltage drop method.</p> <p>92. Test single phase energy meter for its errors.</p>	<p>Errors and corrections in measurement.</p> <p>Loading effect of voltmeter and voltage drop effect of ammeter in circuits.</p> <p>Extension of range and calibration of measuring instruments.</p>

Plan and carry out installation, fault detection and repairing of domestic appliances.	93. Dismantle and assemble electrical parts of various electrical appliances e.g., cooking range, geyser, washing machine and pump set.	Working principles and circuits of common domestic equipment and appliances.
	94. Service and repair of electric iron, electric kettle, cooking range and geyser. 95. Service and repair of induction heater and oven. 96. Service and repair of mixer and grinder. 97. Service and repair of washing machine.	Concept of Neutral and Earth.
Execute testing, evaluate performance and maintenance of transformer.	98. Verify terminals, identify components and calculate transformation ratio of single-phase transformers. 99. Perform OC and SC test to determine and efficiency of single-phase transformer. 100. Determine voltage regulation of single-phase transformer at different loads and power factors. 101. Perform series and parallel operation of two single phase transformers. 102. Verify the terminals and accessories of three phase transformer HT and LT side.	Working principle, construction and classification of transformer. Single phase and three phase transformers. Turn ratio and e.m.f. equation. Series and parallel operation of transformer. Voltage Regulation and efficiency. Auto Transformer and instrument transformers (CT & PT).

	<p>103. Perform 3 phase operation</p> <p>(i) delta-delta,</p> <p>(ii) delta-star,</p> <p>(iii) star-star,</p> <p>(iv) star-delta by use of three single phase transformers.</p> <p>104. Perform testing of transformer oil.</p> <p>105. Practice on winding of small transformer.</p> <p>106. Practice of general maintenance of transformer.</p>	<p>Method of connecting three single phase transformers for three phase operation.</p> <p>Types of Cooling, protective devices, bushings and termination etc.</p> <p>Testing of transformer oil.</p> <p>Materials used for winding and winding wires in small transformer.</p>
Read and apply engineering drawing for different application in the field of work	<p><u>ENGINEERING DRAWING</u></p> <ul style="list-style-type: none"> · Introduction to Engineering Drawing and Drawing Instruments. · Conventions. · Sizes and layout of drawing sheets · Title Block, its position and content · Drawing Instrument Free hand drawing of – · Geometrical figures and blocks with dimension · Transferring measurement from the given object to the free hand sketches. · Free hand drawing of hand tools. Drawing of Geometrical figures: · Angle, Triangle, Circle, Rectangle, Square, Parallelogram. · Lettering & Numbering – Single Stroke Dimensioning Practice · Types of arrowhead Symbolic representation · Different electrical symbols used in the related trades Reading of Electrical Circuit Diagram. · Reading of Electrical Layout drawing 	

<u>WORKSHOP CALCULATION & SCIENCE</u>		
Demonstrate basic mathematical concept and principles to perform practical operations.	Unit, Fractions Classification of unit system. Fundamental and Derived units F.P.S, C.G.S, M.K.S and SI units. Measurement units and conversion Factors, HCF, LCM and problems operation (i) delta-delta, (ii) delta-star, (iii) star-star, (iv) star-delta by use of three single phase transformers.	
<u>WORKSHOP CALCULATION & SCIENCE</u>		
Demonstrate basic mathematical concept and principles to perform practical operations. Understand and explain basic science in the field of study.		Unit, Fractions Classification of unit system. Fundamental and Derived Units F.P.S, C.G.S, M.K.S and SI units. Measurement units and conversion. Factors, HCF, LCM and problems. Fractions - Addition, subtraction, multiplication & division. Decimal fractions-Addition, subtraction, multiplication & division. Solving problems by using calculator.

		<p>Square root, Ratio and Proportions.</p> <p>Percentage</p> <p>Square and square root.</p> <p>Simple problems using calculator.</p> <p>Applications of Pythagoras theorem and related problems.</p> <p>Ratio and proportion.</p> <p>Ratio and proportion - Direct and indirect proportions.</p> <p>Percentage</p> <p>Percentage - Changing percentage to decimal and fraction.</p>
		<p>Material Science</p> <p>Types metals, types of ferrous and non-ferrous metals.</p> <p>Introduction of iron and cast iron</p>
		<p>Mass, Weight, Volume and Density</p> <p>Mass, volume, density, weight</p> <p>Related problems for mass, volume, density, weight.</p> <p>Work, power, energy, HP, IHP, BHP and efficiency.</p>

		Potential energy, kinetic energy and related problems with assignment.
		<p>Heat & Temperature and Pressure</p> <p>Concept of heat and temperature, effects of heat, difference between heat and temperature, boiling point & melting point of different metals and non-metals.</p> <p>Scales of temperature, Celsius, Fahrenheit, kelvin and conversion between scales of temperature.</p> <p>Heat & Temperature - Temperature measuring instruments, types of thermometers, pyrometer and transmission of heat.</p> <p>Conduction, convection and radiation.</p>
		<p>Mensuration</p> <p>Area and perimeter of square, rectangle and parallelogram.</p> <p>Area and perimeter of Triangles.</p> <p>Area and perimeter of circle, semi-circle, circular ring, sector of circle, hexagon and ellipse.</p> <p>Surface area and volume of solids - cube, cuboid, cylinder, sphere and hollow cylinder.</p> <p>Trigonometry</p> <p>Measurement of angles Trigonometrical ratio Trigonometrical tables</p>

<p>Plan, execute commissioning and evaluate performance of DC machines.</p>	<p>107. Identify terminals, parts and connections of different types of DC machines.</p> <p>108. Measure field and armature resistance of DC machines.</p> <p>109. Determine build up voltage of DC shunt generator with varying field excitation and performance analysis on load.</p> <p>110. Test for continuity and insulation resistance of DC machine.</p> <p>111. Start, run and reverse direction of rotation of DC series, shunt and compound motors.</p>	<p>General concept of rotating electrical machines.</p> <p>Principle of DC generator.</p> <p>Use of Armature, Field Coil, Polarity, Yoke, Cooling Fan, Commutator, slip ring and Brushes, Laminated core etc.</p> <p>E.M.F. equation.</p> <p>Separately excited and self- excited generators.</p> <p>Series, shunt and compound generators.</p>
<p>Execute testing, and maintenance of DC machines and motor starters.</p>	<p>112. Perform no load and load test and determine characteristics of series and shunt generators.</p> <p>113. Perform no load and load test and determine characteristics of compound generators (cumulative and differential).</p> <p>114. Practice dismantling and assembling in DC shunt motor.</p> <p>115. Practice dismantling and assembling in DC compound generator.</p>	<p>Armature reaction, Commutation, inter poles and connection of inter poles. Parallel Operation of DC Generators.</p> <p>Load characteristics of DC generators.</p> <p>Application, losses & efficiency of DC Generators.</p> <p>Routine maintenance.</p>

	<p>116. Conduct performance analysis of DC series, shunt and compound motors.</p> <p>117. Dismantle and identify parts of three point and four-point DC motor starters.</p> <p>118. Assemble, Service and repair three point and four-point DC motor starters.</p> <p>119. Practice maintenance of carbon brushes, brush holders, Commutator and slip rings.</p>	<p>Principle and types of DC motor.</p> <p>Relation between applied voltage and back e.m.f..</p> <p>Armature voltage drop, speed and flux of DC motor.</p> <p>DC motor Starters, relation between torque, flux and armature current.</p> <p>Changing the direction of rotation.</p> <p>Characteristics, Losses & Efficiency of DC motors.</p> <p>Routine and maintenance.</p>
Distinguish, organise and perform motor winding.	<p>120. Perform speed control of DC motors - field and armature control method.</p> <p>121. Carry out overhauling of DC machines.</p> <p>122. Perform DC machine winding by developing connection diagram, test on growler and assemble</p>	<p>Methods of speed control of DC motors.</p> <p>Lap and wave winding and related terms.</p>
Plan, Execute the commissioning and evaluate performance of AC motors. Execute the testing, and maintenance of AC motors and starters.	<p>123. Identify parts and terminals of three phase AC motors.</p> <p>124. Make an internal connection of automatic star-delta starter with three contactors.</p> <p>125. Connect, start and run three phase induction motors by using DOL, star- delta and auto-transformer starters.</p> <p>126. Connect, start, run and reverse direction of rotation of slip-ring motor through rotor resistance starter and determine performance characteristic.</p>	<p>Working principle of three phase induction motor.</p> <p>Squirrel Cage Induction motor, Slip-ring induction motor; construction, characteristics, Slip and Torque.</p> <p>Different types of starters for three phase induction motors, its necessity, basic contactor circuit, parts and their functions.</p>

	<p>127. Determine the efficiency of squirrel cage induction motor by brake test.</p> <p>128. Determine the efficiency of three phase squirrel cage induction motor by no load test and blocked rotor test.</p>	<p>Single phasing prevention.</p> <p>No load test and blocked rotor test of induction motor.</p> <p>Losses & efficiency.</p> <p>Various methods of speed control.</p> <p>Braking system of motor.</p> <p>Maintenance and repair.</p>
	<p>129. Measure slip and power factor to draw speed- torque (slip/torque) characteristics.</p> <p>130. Test for continuity and insulation resistance of three phase induction motors.</p> <p>131. Perform speed control of three phase induction motors by various methods like rheostatic control, autotransformer etc.</p>	
Distinguish, organise and perform motor winding	<p>132. Perform winding of three phase AC motor by developing connection diagram, test and assemble.</p> <p>133. Maintain, service and troubleshoot the AC motor starter.</p>	Concentric/ distributed, single/ double layer winding and related terms.
<p>Plan, execute commissioning and evaluate performance of AC motors.</p> <p>Execute testing, and maintenance of AC motors and starters.</p>	<p>134. Identify parts and terminals of different types of single-phase AC motors.</p> <p>135. Install, connect and determine performance of single-phase AC motors.</p> <p>136. Start, run and reverse the direction of rotation of single-phase AC motors.</p> <p>137. Practice on speed control of single-phase AC motors.</p> <p>138. Compare starting and running winding currents of a capacitor run motor at various loads and measure the speed.</p>	<p>Working principle, different method of starting and running of various single-phase AC motors.</p> <p>Domestic and industrial applications of different single-phase AC motors.</p> <p>Characteristics, losses and efficiency.</p>

Distinguish, organise and perform motor winding.	<p>139. Carry out maintenance, service and repair of single-phase AC motors.</p> <p>140. Practice on single/double layer and concentric winding for AC motors, testing and assembling.</p> <p>141. Connect, start, run and reverse the direction of rotation of universal motor.</p> <p>142. Carry out maintenance and servicing of universal motor.</p>	<p>Concentric/ distributed, single/ double layer winding and related terms.</p> <p>Troubleshooting of single-phase AC induction motors and universal motor.</p>
Plan, execute testing, evaluate performance and carry out maintenance of Alternator / MG set. Execute parallel operation of alternators.	<p>143. Install an alternator, identify parts and terminals of alternator.</p> <p>144. Test for continuity and insulation resistance of alternator.</p> <p>145. Connect, start and run an alternator and build up the voltage.</p> <p>146. Determine the load performance and voltage regulation of three phase alternator.</p> <p>147. Parallel operation and synchronization of three phase alternators.</p>	<p>Principle of alternator, e.m.f. equation, relation between poles, speed and frequency.</p> <p>Types and construction. Efficiency, characteristics, regulation, phase sequence and parallel operation.</p> <p>Effect of changing the field excitation and power factor correction.</p>
	<p>148. Install a synchronous motor, identify its parts and terminals.</p> <p>149. Connect, start and plot V-curves for synchronous motor under different excitation and load conditions.</p>	<p>Working principle of synchronous motor.</p> <p>Effect of change of excitation and load.</p> <p>V and anti V curve.</p> <p>Power factor improvement.</p>
	<p>150. Identify parts and terminals of MG set.</p> <p>151. Start and load MG set with 3 phase induction motor coupled to DC shunt generator.</p>	<p>Rotary Converter, MG Set description and Maintenance.</p>

Assemble simple electronic circuits and test for functioning.	<p>152. Determine the value of resistance by colour code and identify types.</p> <p>153. Test active and passive electronic components and its applications.</p>	<p>Resistors – colour code, types and characteristics.</p> <p>Active and passive components. Atomic structure and semiconductor theory.</p>
	<p>154. Determine V-I characteristics of semiconductor diode.</p> <p>155. Construct half wave, full wave and bridge rectifiers using semiconductor diode.</p> <p>156. Check transistors for their functioning by identifying its type and terminals.</p>	<p>P-N junction, classification, specifications, biasing and characteristics of diodes.</p> <p>Rectifier circuit - half wave, full wave, bridge rectifiers and filters. Principle of operation, types, characteristics and various configuration of transistor.</p> <p>Application of transistor as a switch, voltage regulator and amplifier.</p>
	<p>157. Bias the transistor and determine its characteristics.</p> <p>158. Use transistor as an electronic switch and series voltage regulator.</p>	
	<p>159. Operate and set the required frequency using function generator.</p> <p>160. Make a printed circuit board for power supply.</p> <p>161. Construct simple circuits containing UJT for triggering and FET as an amplifier.</p> <p>162. Troubleshoot defects in simple power supplies.</p>	<p>Basic concept of power electronics devices.</p> <p>IC voltage regulators</p> <p>Digital Electronics - Binary numbers, logic gates and combinational circuits.</p>

	<p>163. Construct power control circuit by SCR, Diac, Triac and IGBT.</p> <p>164. Construct variable DC stabilized power supply using IC.</p> <p>165. Practice on various logics by use of logic gates and circuits.</p> <p>166. Generate and demonstrate wave shapes for voltage and current of rectifier, single stage amplifier and oscillator using CRO.</p>	<p>Working principle and uses of oscilloscope.</p> <p>Construction and working of SCR, DIAC, TRIAC and IGBT.</p>
Assemble accessories and carry out wiring of control cabinets and equipment.	<p>167. Design layout of control cabinet, assemble control elements and wiring accessories for:</p> <p>(i) Local and remote control of induction motor.</p> <p>(ii) Forward and reverse operation of induction motor.</p> <p>(iii) Automatic star-delta starter with change of direction of rotation.</p> <p>(iv) Sequential control of three motors.</p>	<p>Study and understand Layout drawing of control cabinet, power and control circuits. Various control elements: Isolators, pushbuttons, switches, indicators, MCB, fuses, relays, timers and limit switches etc.</p>
	<p>168. Carry out wiring of control cabinet as per wiring diagram, bunching of XLPE cables, channeling, tying and checking etc.</p> <p>169. Mount various control elements e.g., circuit breakers, relays, contactors and timers etc.</p> <p>170. Identify and install required measuring instruments and sensors in control panel.</p> <p>171. Test the control panel for its performance.</p>	<p>Wiring accessories: Race ways/ cable channel, DIN rail, terminal connectors, thimbles, lugs, ferrules, cable binding strap, buttons, cable ties, sleeves, gromats and clips etc.</p> <p>Testing of various control elements and circuits.</p>

Perform speed control of AC and DC motors by using solid state devices.	<p>172. Perform speed control of DC motor using thyristors / DC drive.</p> <p>173. Perform speed control and reversing the direction of rotation of AC motors by using thyristors / AC drive.</p>	<p>Working, parameters and applications of AC / DC drive.</p> <p>Speed control of 3 phase induction motor by using VVVF/AC Drive.</p>
	174. Construct and test a universal motor speed controller using SCR.	
Detect the faults and troubleshoot inverter, stabilizer, battery charger, emergency light and UPS etc.	<p>175. Assemble circuits of voltage stabilizer and UPS.</p> <p>176. Prepare an emergency light.</p> <p>177. Assemble circuits of battery charger and inverter.</p> <p>178. Test, analyze defects and repair voltage stabilizer, emergency light and UPS.</p> <p>179. Maintain, service and troubleshoot battery charger and inverter.</p> <p>180. Install an Inverter with battery and connect it in domestic wiring for operation. .</p>	<p>Basic concept, block diagram and working of voltage stabilizer, battery charger, emergency light, inverter and UPS.</p> <p>Preventive and breakdown maintenance.</p>
Erect overhead domestic service line, outline various power plant layout and explain smart distribution grid and its components.	<p>181. Draw layout of thermal power plant and identify function of different layout elements.</p> <p>182. Draw layout of hydel power plant and identify functions of different layout elements.</p> <p>183. Visit to transmission / distribution substation.</p> <p>184. Draw actual circuit diagram of substation visited and indicate various components.</p>	<p>Conventional and non-conventional sources of energy and their comparison.</p> <p>Power generation by thermal and hydel power plants.</p>
Plan, assemble and install solar panel.	<p>185. Prepare layout plan and identify different elements of solar power system.</p> <p>186. Prepare layout plan and identify different elements of wind power system.</p> <p>187. Assemble and connect solar panel for illumination.</p>	<p>Various ways of electrical power generation by non-conventional methods.</p> <p>Power generation by solar and wind energy.</p> <p>Principle and operation of solar panel.</p>

Erect overhead domestic service line, outline various power plant layout and explain smart distribution grid and its components.	<p>188. Practice installation of insulators used in HT/LT line for a given voltage range.</p> <p>189. Draw single line diagram of transmission and distribution system.</p> <p>190. Measure current carrying capacity of conductor for given power supply.</p> <p>191. Fasten jumper in pin, shackle and suspension type insulators.</p>	<p>Transmission and distribution networks.</p> <p>Line insulators, overhead poles and method of joining aluminum conductors.</p>
	<p>192. Erect an overhead service line pole for single phase 230V distribution system in open space.</p> <p>193. Practice on laying of domestic service line.</p> <p>194. Install bus bar and bus coupler on LT line.</p>	<p>Safety precautions and IE rules pertaining to domestic service connections.</p> <p>Various substations.</p> <p>Various terms like – maximum demand, average demand, load factor, diversity factor, plant utility factor etc.</p>
Examine the faults and carry out repairing of circuit breakers.	<p>195. Identify various parts of relay and ascertain the operation.</p> <p>196. Practice setting of pick up current and time setting multiplier for relay operation.</p> <p>197. Identify the parts of circuit breaker, check its operation.</p> <p>198. Test tripping characteristic of circuit breaker for over current and short circuit current.</p> <p>199. Practice on repair and maintenance of circuit breaker.</p>	<p>Types of relays and its operation. Types of circuit breakers, their applications and functioning. Production of arc and quenching.)</p>
Install and troubleshoot Electric Vehicle charging stations.	<p>200. Demonstrate different charger specifications.</p> <p>201. Perform installation of EV charging Station for Public places.</p> <p>202. Perform installation of home EV charging stations.</p>	<p>EV scenario in India and EV Charging basic theory.</p> <p>EV Charging safety requirements.</p>

<p>Read and apply engineering drawing for different application in the field of work.</p>	<p><u>ENGINEERING DRAWING:</u></p> <p>Reading of Electrical Sign and Symbols.</p> <p>Sketches of Electrical components.</p> <p>Reading of Electrical wiring diagram and Layout diagram. Reading of Electrical earthing diagram. Drawing the schematic diagram of plate and pipe earthing.</p> <p>Drawing of Electrical circuit diagram.</p> <p>Drawing of Block diagram of Instruments & equipment of trades.</p>
<p>Demonstrate basic mathematical concept and principles to perform practical operations.</p> <p>Understand and explain basic science in the field of study.</p>	<p>WORKSHOP CALCULATION & SCIENCE</p> <p>Friction</p> <p>Lubrication</p> <p>Algebra</p> <p>Addition, subtraction, multiplication & division</p> <p>Algebra</p> <p>Theory of indices, algebraic formula, related problems</p> <p>Elasticity</p> <p>Elastic, plastic materials, stress, strain and their units and young's modulus</p> <p>Profit and loss</p> <p>Simple problems on profit & loss</p> <p>Simple and compound interest</p> <p>Estimation and Costing</p> <p>Estimation and costing</p> <p>Simple estimation of the requirement of material etc., as applicable to the trade.</p>

	<p>Estimation and costing</p> <p>Problems on estimation and costing</p>
<p>Project work</p> <p>a) Battery charger/Emergency light</p> <p>b) Control of motor pump with tank level</p> <p>c) DC voltage converter using SCRs</p> <p>d) Logic control circuits using relays</p> <p>e) Alarm/indicator circuits using sensors</p>	

2. Post Code: ECE-01, Trade/Area: ELECTRONICS ENGINEERING - 05 posts [SC – 01, EWS – 01, UR – 03, Horizontal Reservation – PwBD(VH) (01 post), Ex-Serviceman (01 post)]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ एसटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500061	PADMAKRISHNAN	UR	Shortlisted
2.	230500126	RAVI KUMAR VERMA	SC	Shortlisted
3.	230500149	BIRAJ MANDAL	SC	Shortlisted
4.	230500160	RAJ VERMA	SC	Shortlisted
5.	230500340	RAVINDRA KUMAR	OBC	Shortlisted
6.	230500348	VINOTH VEERAMNI	SC	Shortlisted
7.	230500419	SHUSHILA GURJAR	OBC	Shortlisted
8.	230500519	HEMANT KUMAR BAIRWA	SC	Shortlisted
9.	230500545	VIRENDRA KUMAR	SC	Shortlisted
10.	230500590	KAMAL	SC	Shortlisted
11.	230500696	SWETA KASHYAP	OBC	Shortlisted
12.	230500743	GANTALA JYOTHI PRIYA	EWS	Shortlisted
13.	230501004	VARSHA	SC	Shortlisted
14.	230501045	SUMAN MALI	OBC	Shortlisted
15.	230501065	TANUSHREE	UR	Shortlisted
16.	230501072	SURUCHI KUMARI	EWS	Shortlisted
17.	230501247	MAHESH	SC	Shortlisted
18.	230501302	DHARMBIR	SC	Shortlisted
19.	230501346	VIKAS	SC	Shortlisted
20.	230501635	FARUK	UR	Shortlisted
21.	230501705	VIJAY SINGH	OBC	Shortlisted
22.	230501749	BHIMSEN TUDU	ST	Shortlisted
23.	230502041	YANAMA REDDY MEGHANA	EWS	Shortlisted

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24.	230502092	ABHISHEK	UR	Shortlisted
25.	230502126	NIDHI KUMARI	EWS	Shortlisted
26.	230502139	DHIRAJ WAGHAMARE	SC	Shortlisted
27.	230502141	SANJAY KUMAR	SC	Shortlisted
28.	230502185	YOGESH DNYANDEO TEKALE	SC	Shortlisted
29.	230502408	RAHIL SINGH	EWS	Shortlisted
30.	230502522	ABHISHEK NATH	SC	Shortlisted
31.	230502577	KAMLESH	SC	Shortlisted
32.	230503001	JALA VENU	SC	Shortlisted
33.	230503009	RAJESH KUMAR GUPTA	UR	Shortlisted
34.	230503085	RAKESH KUMAR	SC	Shortlisted
35.	230503104	SUSHMA SADANAND GAJBHIYE	SC	Shortlisted
36.	230503122	ABHAY KUMAR	SC	Shortlisted
37.	230503125	RAMVILAS	ST	Shortlisted
38.	230503196	CHOPPARA CHINA NANCHARAI AH	SC	Shortlisted
39.	230503318	NEHA	UR	Shortlisted
40.	230503419	RAJANI VERMA	OBC	Shortlisted
41.	230503438	ARATI DAS	SC	Shortlisted
42.	230503451	SHIVLAL	OBC	Shortlisted
43.	230503515	PRASHANT DADARAO WANKHADE	SC	Shortlisted
44.	230503545	PRAVIN KUMAR	UR	Shortlisted
45.	230503654	RAHUL GEHLOT	SC	Shortlisted
46.	230503719	SHEETAL PARASRAM GAIKWAD	SC	Shortlisted
47.	230503880	BALAJI R A	OBC	Shortlisted
48.	230503901	HIMANSHU NIMJE	ST	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ एसटी/ ईडब्ल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
49.	230503906	DAMINI PRADHAN	SC	Shortlisted
50.	230503979	TAMANNA	OBC	Shortlisted
51.	230504146	PRIYA PAL	OBC	Shortlisted
52.	230504267	KESTO DHURIA	UR	Shortlisted
53.	230504278	RATHOD MITALBEN RAMESHBHAI	SC	Shortlisted
54.	230504309	MADHUKAR KUMAR SANGAM	SC	Shortlisted
55.	230504389	MUNNA KUMAR MISHRA	UR	Shortlisted
56.	230504402	PREETI KUMARI	SC	Shortlisted
57.	230504438	JAYA SINGH	UR	Shortlisted
58.	230504458	NOURATTAN	SC	Shortlisted
59.	230504494	SACHIN KUMAR	SC	Shortlisted
60.	230504557	P SHAILJA	SC	Shortlisted
61.	230504648	GODGHATE KOMAL WAMANRAO	SC	Shortlisted
62.	230504720	ANUSHA T K	SC	Shortlisted
63.	230504796	ROHIT SAHU	UR	Shortlisted
64.	230504803	SATYA PRAKASH MISHRA	UR	Shortlisted
65.	230504908	KANCHAN KUMARI	UR	Shortlisted
66.	230504910	AMRUTHA A K	SC	Shortlisted
67.	230504920	SONU	SC	Shortlisted
68.	230504996	JAI KUMAR	OBC	Shortlisted
69.	230505115	VIYYAPU BHARGAVI	OBC	Shortlisted
70.	230505156	GOPAL SHARMA	EWS	Shortlisted
71.	230505178	ROHIT THAKUR	UR	Shortlisted
72.	230505198	ROHITASH JOSHI	EWS	Shortlisted
73.	230505204	SANJAY	UR	Shortlisted

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74.	230505238	MANIKANDAN A	UR	Shortlisted
75.	230505279	SAISUKANYA PANDA	UR	Shortlisted
76.	230505357	NARENDRA KUMAR	OBC	Shortlisted
77.	230505364	ARUN K V	UR	Shortlisted
78.	230505453	SIDHANT SAHOO	OBC	Shortlisted
79.	230505552	MANISH KUMAR	SC	Shortlisted
80.	230505606	PRASHANT	OBC	Shortlisted
81.	230505617	AJAY KUMAR	UR	Shortlisted
82.	230505626	BALJEET	UR	Shortlisted
83.	230505665	VIKI DIPAK TAYDE	UR	Shortlisted
84.	230505677	RAVI TYAGI	UR	Shortlisted
85.	230505727	CHANDAN KUMAR	SC	Shortlisted
86.	230505744	SUBODH KUMAR	OBC	Shortlisted
87.	230505748	AKANKSHA ARORA	UR	Shortlisted
88.	230505752	JADHAV YADAV SHANKARRAO	EWS	Shortlisted
89.	230505769	MUSTAPURE JAYSHRI GANPATI	UR	Shortlisted
90.	230505864	NARNAWRE PRATHAMESH SUBHASH	EWS	Shortlisted
91.	230505866	SHIVANI SHARMA	UR	Shortlisted

ECE-01 - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500181	SANDEEP SINGH	SC	R3
2.	230500182	BHUPENDRA KUMAR SEVLIYA	SC	R3
3.	230500365	SANJAY KUMAR SONKAR	SC	R1, R3
4.	230500528	SINGH RAVINDRA PREM	SC	R3
5.	230500531	KARIJATHA VENKATESWARLU	SC	R3
6.	230500554	BHUPINDER SINGH	SC	R3
7.	230500643	ANSHU KUMARI	EWS	R3
8.	230500807	SRINATHA H R	ST	R3
9.	230500826	PALAPARTHI ANKAMMA RAO	ST	R3
10.	230501073	SURESH DHIMAN	SC	R3
11.	230501142	ASHWINI KUMAR	SC	R3
12.	230501165	SACHIN KUMAR	UR	R3
13.	230501277	RAVINDRA VERMA	SC	R3
14.	230501456	KIRAN RAJARAM GAVIT	ST	R1
15.	230501487	SUBHOMOY MONDAL	SC	R3
16.	230501769	NEERAJ KUMAR MEENA	ST	R3
17.	230501995	ANKUSH PUNDIR	SC	R3
18.	230502172	DINESH SINGH	UR	R3
19.	230502195	RAJIV MANDAL	OBC	R1, R3
20.	230502239	GIR SAI KRISHNA	SC	R3
21.	230502276	RAMPHOOL BUNKAR	SC	R3, R5
22.	230502280	SANGRAM KESHARI PADHI	UR	R3
23.	230502525	SHAMAL CHAVARE	SC	R3

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
24.	230502543	SHYAM SHUNDAR	SC	R3
25.	230502635	ROHIT BALASAHEB DHAMALE	UR	R3, R9
26.	230503053	MAYANK PANCHAL	UR	R1
27.	230503209	LOKESH KUMAR MEENA	ST	R3
28.	230503269	NAVEEN NIRMAL	SC	R3
29.	230503316	BANSI DHAR BAGDI	SC	R3
30.	230503381	AMIT KUMAR	OBC	R1
31.	230503609	SAHIL THAKUR	UR	R3
32.	230503659	AKHAND DEEP YADAV	OBC	R3
33.	230503857	NIVETHA S	OBC	R1, R9
34.	230503876	SHUBHAM SINGH PATEL	OBC	R1
35.	230503916	RATAN KUMAR GUPTA	UR	R1
36.	230504045	RAJESH KUMAR	SC	R3
37.	230504094	RAJGOPALA	ST	R1, R3
38.	230504129	MOHIT	SC	R3, R9
39.	230504172	AMBATI SIVAJI	OBC	R3
40.	230504288	NUNE YASHWANTH RAJU	ST	R3
41.	230504386	D SHANKUNATH	EWS	R3
42.	230504686	SWEETY	EWS	R3
43.	230505071	VARUNA KUMARA HEGADE Y B	SC	R1
44.	230505080	KAMERA VENKATESH	SC	R3
45.	230505585	PURUSHOTAM	SC	R3, R11
46.	230505596	BOMMARDI BHARATH KUMAR	SC	R3
47.	230505768	RITTIK SARKAR	SC	R3, R9
48.	230505855	JAMI VENKATA RAJU	OBC	R1, R3, R9

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
49.	230505868	CHINNABOINA THIRUPATHI	OBC	R1, R3
50.	230505893	SATISH KUMAR	UR	R3
51.	230500343	NAVDEEP SINGH	SC	R9
52.	230500801	SATYASNIGDHA PRIYADARSINI	UR	R9
53.	230502211	NIRANJAN PATRA	UR	R9
54.	230502770	DOULAT AHIRWAR	SC	R9
55.	230504373	JAY DUTT	SC	R9
56.	230505158	SANDEEP KUMAR JANGIR	OBC	R9
57.	230505331	HARIHARASUTHAN M	UR	R9

3. Post Code: ECE-02, Trade/Area: ELECTRONICS ENGINEERING - 01 post [UR – 01]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230501105	SURUCHI KUMARI	EWS	Shortlisted
2.	230505892	AKANKSHA ARORA	EWS	Shortlisted

ECE - 02 - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
NIL	NIL	NIL	NIL	NIL

4. Post Code: ECE-03, Trade/Area: ELECTRONICS ENGINEERING - 03 postS [SC – 01, UR – 02, Horizontal Reservation – Ex-Serviceman (01 post)]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500145	LAVKESH KUMAR	SC	Shortlisted
2.	230500357	BIRAJ MANDAL	SC	Shortlisted
3.	230500536	MUNAGANURI VAMSI	UR	Shortlisted
4.	230501080	SHIV KUMAR	SC	Shortlisted
5.	230501115	SURUCHI KUMARI	EWS	Shortlisted
6.	230501148	AKASH KUMAR	SC	Shortlisted
7.	230501188	MANISH KUMAR MOURYA	SC	Shortlisted
8.	230501360	AJAY KUMAR	SC	Shortlisted
9.	230501518	GAURAV SHEKHAR	SC	Shortlisted
10.	230501573	BADAL AMBEDKAR	SC	Shortlisted
11.	230501693	RAMGANESH K	OBC	Shortlisted
12.	230501741	PAMULA PADMAVATHI	OBC	Shortlisted
13.	230501763	ANKIT	SC	Shortlisted
14.	230501833	AMBARISH	ST	Shortlisted
15.	230501923	SHUBHANKAR	UR	Shortlisted
16.	230501961	VIJAY SINGH	OBC	Shortlisted
17.	230502050	VIKAS	SC	Shortlisted
18.	230502232	RAJ KUMAR	SC	Shortlisted
19.	230502481	SAURAV MONDAL	UR	Shortlisted
20.	230502489	DOOT KUMAR ROY	SC	Shortlisted
21.	230502549	JALA VENU	SC	Shortlisted
22.	230502652	VINOD SHARMA	UR	Shortlisted
23.	230502768	GAURAV	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
24.	230502882	KM ANUKRITI	OBC	Shortlisted
25.	230502888	PRAMOD	OBC	Shortlisted
26.	230502962	ABHISHEK PATEL	UR	Shortlisted
27.	230502976	ANKUSH KISHAN GAWANDHALE	SC	Shortlisted
28.	230503046	KM SARITA	SC	Shortlisted
29.	230503069	RABI SHANKAR PRASAD	OBC	Shortlisted
30.	230503086	KAMLESH	SC	Shortlisted
31.	230503095	PAIDI SREENIVASA RAO	OBC	Shortlisted
32.	230503131	RAMVILAS	ST	Shortlisted
33.	230503135	MANOJ KUMAR	SC	Shortlisted
34.	230503205	CHOPPARA CHINA NANCHARAI AH	SC	Shortlisted
35.	230503306	PARDEEP KUMAR	SC	Shortlisted
36.	230503393	LAKLAKAVATH ASHOK NAIK	ST	Shortlisted
37.	230503410	TAPAS SARKAR	SC	Shortlisted
38.	230503411	RAJANI VERMA	OBC	Shortlisted
39.	230503450	JASMINA SAHOO	SC	Shortlisted
40.	230503551	ADARSH A	SC	Shortlisted
41.	230503629	SAKSHI JALORIYA	SC	Shortlisted
42.	230503695	JAWANJAL VISHWESHWAR RAMESHWAR	SC	Shortlisted
43.	230503718	SHEETAL PARASRAM GAIKWAD	SC	Shortlisted
44.	230503728	Asir Husain	UR	Shortlisted
45.	230503730	VINOD KUMAR	SC	Shortlisted
46.	230503813	SANJAY	UR	Shortlisted
47.	230503934	AMIT KUMAR	OBC	Shortlisted
48.	230504192	KARTIK CHANDNA	UR	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
49.	230504287	AMAY SAMBARE	UR	Shortlisted
50.	230504308	RAJKUMAR	SC	Shortlisted
51.	230504320	VIRENDRA KUMAR	SC	Shortlisted
52.	230504360	CHAUHAN MAYURKUMAR	SC	Shortlisted
53.	230504429	HIMANSHU SURYAVANSHI	SC	Shortlisted
54.	230504455	SUSHMA SADANAND GAJBHIYE	SC	Shortlisted
55.	230504473	RAMU HIRALAL RAIDAS	SC	Shortlisted
56.	230504502	SAHIL KUMAR	SC	Shortlisted
57.	230504516	MANISH KUMAR RANJAN	UR	Shortlisted
58.	230504567	SONU KUMAR	OBC	Shortlisted
59.	230504600	APURBA MONDAL	UR	Shortlisted
60.	230504656	GODGHATE KOMAL WAMANRAO	SC	Shortlisted
61.	230504731	SUBE SINGH	SC	Shortlisted
62.	230504885	M THIRUVALLUVAR	OBC	Shortlisted
63.	230504974	AJAY SINGH	SC	Shortlisted
64.	230505016	CHARAN SINGH	UR	Shortlisted
65.	230505022	SURAJ UPADHYAY	UR	Shortlisted
66.	230505102	SOURABH SINGH	UR	Shortlisted
67.	230505117	HARENDRA SINGH	SC	Shortlisted
68.	230505135	SANTOSH KUMAR RAJBHAR	SC	Shortlisted
69.	230505154	SHESHMANI	OBC	Shortlisted
70.	230505226	ROHIT SAHU	UR	Shortlisted
71.	230505231	SANJAY	UR	Shortlisted
72.	230505258	BAHADUR SINGH	UR	Shortlisted
73.	230505318	MUKESH KUMAR PASWAN	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
74.	230505319	JONY	OBC	Shortlisted
75.	230505356	HITESH SAHRAWAT	SC	Shortlisted
76.	230505368	ABHIJITH K S	UR	Shortlisted
77.	230505422	SUBODH KUMAR	OBC	Shortlisted
78.	230505522	SATENDER	UR	Shortlisted
79.	230505537	RAHUL SANWRE	SC	Shortlisted
80.	230505599	RAJU MONDAL	UR	Shortlisted
81.	230505600	RENU RAJBHAR	OBC	Shortlisted
82.	230505610	DEEPAK	SC	Shortlisted
83.	230505630	NEHA	UR	Shortlisted
84.	230505635	RAJENDRA PANDIT	UR	Shortlisted
85.	230505662	VINAY KUMAR MISHRA	UR	Shortlisted
86.	230505684	AJAY KUMAR	UR	Shortlisted
87.	230505712	SARVESH PRAJAPATI	UR	Shortlisted
88.	230505737	MHASKE ATUL RATAN	SC	Shortlisted
89.	230505792	RAVI TYAGI	UR	Shortlisted
90.	230505798	POOJA SHARMA	UR	Shortlisted
91.	230505814	VIKASH KUMAR	OBC	Shortlisted
92.	230505820	RAKESH GOCHER	UR	Shortlisted
93.	230505825	ARUN SHARMA	UR	Shortlisted
94.	230505828	AKANKSHA ARORA	UR	Shortlisted
95.	230505843	MUSTAPURE JAYSHRI GANPATI	UR	Shortlisted
96.	230505876	HARIHARASUTHAN M	UR	Shortlisted
97.	230505877	SHIVANI SHARMA	UR	Shortlisted
98.	230505889	KM PURNIMA SHARMA	UR	Shortlisted

ECE-03 आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500238	PASI MANGESH MOHAN	SC	R1,R2,R5,R7,R11
2.	230500462	ROHIT BALASAHEB DHAMALE	UR	R3
3.	230500706	PERIKALA SUBHASH	SC	R3
4.	230500845	BAYAPUREDDI NARESH BABU	UR	R3
5.	230500958	PRATEEK KUMAR	SC	R3
6.	230501159	RAVI SHARAN SINGH	UR	R3
7.	230501219	UYYALA NAGESWARA RAO	ST	R3
8.	230501304	RAJ KUMAR	UR	R3
9.	230501619	NIRNAY KUMAR	UR	R3
10.	230501850	DIV	UR	R3
11.	230502032	PRASHANT KUMAR CHOUDHRY	UR	R1, R5
12.	230502241	GIRI SAI KRISHNA	SC	R3
13.	230502304	AKHILESHWAR SINGH	OBC	R3
14.	230502528	SHYAM SHUNDAR	SC	R3
15.	230502725	SANJIB CHANDA	UR	R3
16.	230502786	VIRENDRA SINGH	UR	R3
17.	230502970	RANJIT SINGH	SC	R2,R5,R7,R11
18.	230503170	KANTA DEVI YOGI	OBC	R1, R3
19.	230503235	HANSHAN P M	OBC	R1
20.	230503371	SANDEEP KUMAR	SC	R3
21.	230504013	SONU VERMA	OBC	R1
22.	230504031	FF	UR	R3, R5, R7, R11
23.	230504142	VIKRAM DHAKAD	OBC	R3

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
24.	230504168	AMBATI SIVAJI	OBC	R1
25.	230504323	GAIKWAD RISHAB	SC	R5, R7, R11
26.	230504379	MANNU	SC	R3
27.	230504505	ABHISHEK RAJAK	SC	R3
28.	230504546	SUJIT RAM	SC	R3
29.	230504593	SURAJ SAMADHAN GAVHALE	SC	R2, R3
30.	230504766	VISHAL KUMAR	SC	R3
31.	230504870	RAJESH KUMAR	SC	R1
32.	230504891	MANAN KHARWAR	UR	R3
33.	230504952	VARUNA KUMARA HEGADE Y B	SC	R1
34.	230505247	KOKKILAGADDA SRAVANI	OBC	R1
35.	230505340	PARIDHI JAISWAL	OBC	R3
36.	230505612	BALJEET	UR	R3
37.	230505852	JYOTI VERMA	OBC	R1, R3
38.	230500871	ANUJ KUMAR	SC	R9
39.	230502018	SURAJ RAMDAS TAYADE	SC	R9
40.	230502067	SUNIL KUMAR LOHI	SC	R9
41.	230505888	MANIKANDAN A	UR	R9

Post Code: ECE-01, ECE-02, ECE-03 - Syllabus for Trade Test and Paper-III of Written Test

- Definition:

Definition for Basic terms - electric charges, Potential difference, Voltage, Current, Resistance. Definition of AC & DC. Terms such as +ve cycle, -ve cycle, Frequency, Time period, RMS, Peak, P-P, Instantaneous value. Single phase and Three phase supply. Terms like Line and Phase voltage/ currents. Insulators, conductors and semiconductor properties. Different type of electrical cables and their Specifications. Types of wires & cables, standard wire gauge (SWG). Classification of cables according to gauge (core size), number of conductors, material, insulation strength, flexibility etc.

- Battery/Cells:

Construction & types of primary and secondary cells, materials used, Specification of cells and batteries, Charging process, efficiency, life of cell/battery. Selection of cells / Batteries etc. Use of Hydrometer, Types of electrolytes used in cells and batteries. Series/parallel connection of batteries and purpose of such connections.

- Ohm's law and its variables:

Resistor-definition, types of resistors, their construction & specific use, color-coding, power rating. Equivalent Resistance of series parallel circuits. Distribution of V & I in series parallel circuits. KVL & KCL with applications. Principles of induction, inductive reactance, Types of inductors, construction, specifications and applications (energy storage concept). Self and Mutual induction. Behavior of inductor at low and high frequencies. series and parallel combination, Q factor. Capacitance and Capacitive Reactance, Impedance. Types of capacitors, construction, specifications and applications. Dielectric constant. Significance of Series parallel connection of capacitors. Capacitor behavior with AC and DC. Concept of Time constant of a RC circuit. Concept of Resonance and its application in RC, RL & RLC series and parallel Types and circuit Properties of magnets and their materials, preparation of artificial magnets, significance of electro magnetism, types of cores. Electromagnetic Relays, types, construction, specifications.

- Working principle of a Transformer:

Transformer construction, Types of cores used. Specifications of a transformer, Step-up, Step down and isolation transformers with applications. Different type of losses in Transformers.

- Electrical measuring instruments:

Importance of meter, classification of meters, forces necessary to work a meter. MC and MI meter, range extension, need of calibration, characteristics of meters and errors in meters. Multimeter, use of meters in different circuits. Care and maintenance of meters. Use of CRO, Function generator, LCR meter.

- Semiconductor:

Semiconductor component number coding for different electronic components such as Diodes, Zeners. PN Junction, Forward and Reverse biasing of diodes, Interpretation of diode specifications Forward current and Reverse voltage, packing styles of diodes. Diode Bridge Modules. Rectifier configurations, their efficiencies, Filter components and their role in reducing ripple. Working principles of Zener diode / specifications / applications, Varactor diode / Tunnel diode / specifications with applications.

- Regulated Power supply:

Construction procedure of Regulated Power Supply using 78XX series, 79XX series, Op- amp regulator, 723 regulator, (Transistorized & IC based) voltage regulation, error correction and amplification etc.

- Computer:

Basic blocks of a computer, Hardware and software, I/O devices, keyboard, types of mouse and their working, Different types of printers, their function and inter-connection and their advantages HDD, CDD, DVD, Various ports in the computer, POST Booting concept., Windows O.S. MS windows: Starting windows and its operation, file management using explorer, Display & sound properties, screen savers, font management, installation of program, setting and using of control panel., application of accessories, various IT tools and applications, Components of desk top Concept of word processing,: MS word– Menu bar, standard tool bar, saving, copying, deleting & retrieving files, page setting, editing, formatting, advance features subscript & superscript drawing features, mail merging, Hyperlink, tables and borders, printing of document etc. Excel – Worksheet basics, data entry and formulae. Moving data in worksheet using tool bars and menu bars, Formatting and calculations, printing worksheet, creating multiple work sheets, creating charts, changing chart types, adding titles, legends and gridlines, colouring charts, printing charts, placing charts in a word file, **power point**: - preparing slides, different design aspects of slides, animation with slides etc. Concept of Internet, Browsers, Websites, search engines, email, chatting and messenger service. Procedure of Downloading the Data and program files etc.

- Computer Networking:

Network Features-Network topologies, protocols- TCP/IP, UDP, FTP, models, types, network components, network medias, Specification and standards, types of cables, UTP, STP, Coaxial cables. Network components like hub, Ethernet switch, router, NIC Cards, connectors, media and firewall. Difference between PC & Server. Operating system -OS, NOS-features, types etc. Internet search engines and applications.

- Transistors:

Construction, Working of a PNP and NPN Transistors. Purpose of E, B & C Terminals. Flow of currents into and out of terminals of PNP/ NPN Transistors and their relations, Significance of β of a Transistor Need for Biasing of Transistor junctions, Interpretation of main parameters of a Transistor, V_{BE} , V_{CB} , V_{CE} , I_C , I_B , Junction Temperature, junction capacitance, Frequency of operation, Transistor application as a switch, as an amplifier, Definition for input impedance and output impedances. Transistor power ratings & packaging styles, use of different heat sinks.

- Transistor (CB, CE & CC) configurations:

Different types of biasing, various configurations of transistor (C-B, C-E & C-C), their characteristics and applications, Transistor biasing circuits and stabilization Techniques, Classification of amplifiers according to frequency, mode of operation, methods of coupling, Voltage amplifiers- voltage gain, loading effect. Configuration of common emitter, common base, common collector transistor, their definition characteristics and applications. Single stage CE amplifier, (CC amplifier) emitter follower circuit and its advantages RC coupled amplifier, Difference between voltage and power amplifier, Push pull amplifier and class C tuned amplifier Alpha, beta, voltage gain, Concept of dB dBm, Feedback and its types.

- Oscillator:

Positive feedback and requisites of an oscillator, Study of Colpitts, Hartley, Crystal and RC oscillators, Types of multi vibrators and study of circuit diagrams.

- Clipper and Clampers:

Diodes hunt clipper circuits and Clamping/limiting circuits and their applications. Schmitt trigger circuits.

- Power Electronics:

Construction of FET, difference between FET with BJT. Purpose of Gate, Drain and source terminals and voltage / current relations between them, Impedances between various terminals. Main parameters of the FET. Suitability of FET amplifiers in measuring device applications, Working of power electronic components such as SCR, TRIAC, DIAC and UJT. Working of MOSFET, Power MOSFET and IGBT - their types, characteristics, switching speed, power ratings and protection. Differentiate FET with MOSFET, differentiate a Transistor with IGBT.

- Opto Electronics:

Working and application of LED, IRLEDs, Photodiode, phototransistor, its characteristics and application, optical sensor, opto-couplers, circuits with opto isolators, characteristics of LASER diodes.

- SMD technology:

Advantages of SMD components over conventional lead components

- Digital Electronics:

Difference between analog and digital signals, Logic families and their comparison, Logic levels of TTL and CMOS. Number systems (Decimal, binary, octal, Hexadecimal) BCDcode, ASCII code and code conversions. Logic Gates and their truth tables,

- Combinational logic circuits:

Half Adder, Full adder, Parallel Binary adders, 2-bit and four bit full adders. Magnitude comparators. Half adder, full adder ICs and their applications for implementing arithmetic operations. Basic Binary Decoder and four bit binary decoders. Need for multiplexing of data. 1:4 line Multiplexer /De-multiplexer.

- Flip-Flop:

S-R Latch, Gated S-R Latch, D- Latch. Flip-Flop: Basic RS Flip Flop, edge triggered D Flip Flop, JK Flip Flop, T Flip Flop, Master-Slave flip flops and Timing diagrams, Basic flip flop applications like data storage, data transfer and frequency division.

- Counters:

Basics of Counters, types of counters, two bit and three bit Asynchronous binary counters and decade counters with the timing diagrams. 3-bit Synchronous counters and synchronous decade counters. Types of seven segment display, BCD display, BCD to decimal decoder. BCD to 7 segment display circuits, Basics of Register, types and application of Registers.

- Op-Amp:

Block diagram and Working of Op-Amp, importance, Ideal characteristics, advantages and applications. Schematic diagram of 741, symbol, Noninverting voltage amplifier, inverting voltage amplifier, summing amplifier, Comparator, zero cross detector, differentiator, integrator and instrumentation amplifier, other popular Op-Amps. Block diagram of 555.

- DSO/CRO:

Block diagram of DSO/CRO and applications of DSO/CRO application of digital CRO, Block diagram of function generator, Difference between a CRO with DSO. Advantages of DSO. Major features of DSO

- ESD Control in Electronics:

Prevention of Static charges, Handling of static sensitive devices, Various standards for ESD.

- PCB:

Construction of Printed Circuit Boards (single, Double, multi-layer), Important tests for PCBs Different types of soldering guns, related to Temperature and wattages, types of tips. Solder materials and their grading. Fundamentals of soldering technology, Materials selection like solder, flux and cleaning solvents, Component mounting, Process for soldering, Inspection of solder joints, Defects of soldered joints. Tips for selection of hardware, Inspection of SM.

- Protective Devices:

Fuse ratings, types of Fuses, Fuse bases, single/three phase MCBs, single phase ELCBs. Types of Contactors, contactor coils and working voltages, contactor contact currents, protection to contactors and high current applications.

- Electrical Control Circuits:

Types of DC motor, DC motor controller and DC Motor power regulation, Application area of DC motor controller, Stepper motor and its types, Stepper Motor working Principal, how to select a stepper motor, Types of wiring of stepper motor, Stepper motor control by varying clock pulses, Advantage of stepper motor.

- Electronic Cables & Connectors:

Cable signal diagram conventions, Classification of electronic cables as per the application w.r.t. insulation, gauge, current capacity, flexibility etc. Different types of connector & their terminations to the cables. Male / Female type DB connectors, Ethernet 10 Base cross over cables and pin out assignments, UTP and STP, SFTP Cables, Cable trays.

- Communication electronics:

Radio Wave Propagation – Principle, Fading, Need for Modulation, types of modulation. Demodulation techniques. Fundamentals of Antenna, various parameters, Types of Antennas & application, AM, FM & PM, SSB-SC & DSB-SC, block diagram of AM and FM transmitter, FM Generation & Detection, Radio Receivers: Types, Super heterodyne receiver Blocks, Principle, characteristics, advantages and disadvantages, Block diagram of FM Receiver, RF, IF & AF Amplifier Sections, AM/FM RF Alignment, Digital modulation and demodulation techniques, sampling, quantization & encoding. Concept of multiplexing and de multiplexing of AM/FM/PAM/ PPM /PWM signals, A simple block diagram for mod/demod. Techniques.

- Sensors, Transducers and Applications:

Passive and active transducers: -Role, selection and characteristics. Working principles of RTD, PT-100

Thermocouple: -Sensor voltage and current formats.

Thermistors: -salient features, operating range, composition, advantages and disadvantages.

Thermocouples—basic principle, commonly used combinations, operating range, advantages and disadvantages.

Strain gauges: -principle, gauge factor, types of strain gauges. Load cell—definition, uses, working of strain gauge load cell.

Capacitive transducers: -advantages and disadvantages.

Inductive transducers: -advantages and disadvantages.

LVDT: -its advantages and disadvantages. Proximity sensors—applications, working principles of eddy current, capacitive and inductive proximity sensors.

- Fiber optic communication:

Properties of optic fiber, testing, losses, types of fiber optic cables and specifications.

- Digital panel Meter:

Different types of seven segment displays, decoders and driver ICs for them. Concept of multiplexing and its advantages, Block diagrams of 7106 and 7107 and their configuration for different measurements, Use of DPM (Digital Panel Meter) with seven segment displays to display different voltage & current signals, Principles of working of LCD, Different sizes of LCDs. Decoder/Driver ICs used with LCDs and their pin-out diagrams.

- SMPS:

Block diagram of automatic and servo voltage stabilizer, o/p voltage adjustment, voltage cutoff systems, study of different types of relays used in stabilizer. Block Diagram of Switch mode power supplies and their working principles, Various types of chopper circuits step-up, step down, inverting types. DC-DC Converters, ICs used for converting DC- DC, block diagrams and their pin outs. Applications of DC-DC converters.

- UPS:

Difference between Inverters and UPS. Basic block diagram of UPS & operating principle, explanation of rectifier, battery, inverter, static transfer switch, Types of UPS: Off line UPS, On line UPS, Line interactive UPS & their comparison. UPS specifications, Load power factor & types of indications & protections, Installation procedure of single phase & three phase UPS.

- Solar Power (Renewable Energy System):

Need for renewable energy sources, Solar energy as a renewable resource, Materials used for solar cells, Principles of conversion of solar light into electricity, Basics of photovoltaics cell, Types of solar cells, Mono crystalline and poly crystalline PV cells, Definition for Solar cell, Module, panel and Arrays, Factors that influence the output of a PV module, SPV systems and the key benefits, Difference between SPV and conventional power, Solar charge controller or regulator and its role, Safety precautions while working with solar systems.

- Cellphones:

Mobile communication, concept cell site, hand off, frequency reuse, block diagram and working of cell phones, cell phone features, GSM and CDMA technology, Procedure of using IMEI number to trace lost/misplaced mobile phone.

- LED Lights:

Types of LED panels used in various lighting applications. Stacking of LEDs.

- LCD and LED TV:

Difference between a conventional CTV with LCD & LED TVs, Principle of LCD and LED TV and function of its different section. Basic principle and working of 3D TV. IPS panels and their features, Different types of interfaces like HDMI, USB, RGB etc with latest TVs. TV Remote Control –Types, parts and functions, IR Code transmitter and IR Code Receiver, Working principle, operation of remote control.

5. Post Code: TURN, Trade/Area: TURNER - 04 posts [OBC – 01, SC – 01, UR – 02]**ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-**

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ एसटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1	230505664	VISHAL PRASAD	SC	Shortlisted
2	230504721	BUDDHESWAR MAHATO	OBC	Shortlisted
3	230505264	RAMTEKE PRATIK ANIL	SC	Shortlisted
4	230505538	VIKAS SHARMA	OBC	Shortlisted
5	230503698	KIRTI PAL	OBC	Shortlisted
6	230505170	WAGH NILESH ASHOK	SC	Shortlisted
7	230503928	RIMA MANDAL	SC	Shortlisted
8	230503720	PRADEEP KUMAR	OBC	Shortlisted
9	230504624	MANOJ MARATHE	UR	Shortlisted
10	230505651	VISHNU SHARMA	EWS	Shortlisted
11	230505244	PADAM SINGH	SC	Shortlisted
12	230505099	RAJU SARKAR	SC	Shortlisted
13	230503621	SULENDER KUMAR	SC	Shortlisted
14	230504605	SONULE MANCHAK DNYANOBA	SC	Shortlisted
15	230503841	AKSHAY KUMAR	UR	Shortlisted
16	230505629	AKHILESH DHAKAD	UR	Shortlisted
17	230504189	RAJAT GAJBHIYE	SC	Shortlisted
18	230503998	PRASHANT GAUTAM MORE	SC	Shortlisted
19	230503576	ANUJ KUMAR	SC	Shortlisted
20	230505785	SUMIT CHARPE	OBC	Shortlisted
21	230504704	SANDEEP	SC	Shortlisted
22	230505337	SURINDER SINGH RANA	UR	Shortlisted
23	230503833	ABHISHEK YADAV	OBC	Shortlisted
24	230504165	VIKRAM DHAKAD	OBC	Shortlisted
25	230505096	RAVI RANJAN	UR	Shortlisted

26	230505477	VIMAL	OBC	Shortlisted
27	230505633	RAGHUVEER NAGAR	OBC	Shortlisted
28	230505434	RAMAKANT BAIRAGI	OBC	Shortlisted
29	230504572	AJEET PRAJAPATI	OBC	Shortlisted
30	230505216	AJITH K BABU	SC	Shortlisted
31	230504219	RAMESH KUMAR	SC	Shortlisted
32	230505179	RAJENDRA PRAJAPATI	OBC	Shortlisted
33	230504174	PRESHIT KAWANKUMAR BORKAR	SC	Shortlisted
34	230505426	JITENDRA PADLAK	OBC	Shortlisted
35	230505175	RAKESH KUMAR GAUTAM	SC	Shortlisted
36	230505480	RAJ RAJPUT	UR	Shortlisted
37	230504239	RAKESH KUMAR	SC	Shortlisted
38	230505375	NIKHIL MANDWAL	OBC	Shortlisted
39	230505403	SUBHAM YADAV	OBC	Shortlisted
40	230505214	VAIBHAV KUSHWAH	UR	Shortlisted
41	230504293	MULAPARTHI DEMUDU BABU	SC	Shortlisted
42	230504242	SHANU AHMAD	OBC	Shortlisted
43	230505536	LOKENDRA SINGH	UR	Shortlisted
44	230505095	RAHUL RAJ	OBC	Shortlisted
45	230505687	RATHOD VIJAY NATUBHAI	SC	Shortlisted
46	230505757	VIKAS	SC	Shortlisted
47	230505353	AJAY KUMAR	SC	Shortlisted
48	230504994	VIGNESH P	OBC	Shortlisted
49	230505592	MANOJ PATIL	OBC	Shortlisted
50	230504110	MANSI CHAURSIYA	OBC	Shortlisted
51	230504014	PRASANTA BHAL	UR	Shortlisted
52	230505708	PRASANTA BHAL	UR	Shortlisted
53	230504069	NARAYAN BODRA	ST	Shortlisted
54	230505055	RAUNAK KUMAR JAISWAL	OBC	Shortlisted
55	230504940	VIKAS KUMAR	UR	Shortlisted
56	230504411	AMAR VERMA	SC	Shortlisted

57	230505050	BRIJESH KUMAR	OBC	Shortlisted
58	230505672	PUSHPENDRA VAISHNAV	UR	Shortlisted
59	230505559	ANURAG SAHU	OBC	Shortlisted
60	230505604	PARTEEK SINGH	OBC	Shortlisted
61	230503528	SHALVI SHUKLA	UR	Shortlisted
62	230504084	VIMALESH KUMAR	SC	Shortlisted
63	230504990	PANKAJ PAL	OBC	Shortlisted
64	230505455	PRABHAT MAURYA	OBC	Shortlisted
65	230505499	RAJAT YADAV	OBC	Shortlisted
66	230505469	ALOK SHARMA	UR	Shortlisted
67	230505829	RAJINDER KUMAR	SC	Shortlisted
68	230505439	ADESH KUMAR YADAV	OBC	Shortlisted
69	230505649	VIPIN KUMAR	SC	Shortlisted
70	230505435	SUNIL KUMAR	OBC	Shortlisted
71	230504112	AMARDEEP PRAJAPATI	OBC	Shortlisted
72	230504470	AVINASH PRASAD	SC	Shortlisted
73	230503861	SHIV NATH MANJHI	SC	Shortlisted
74	230505118	PUNAM SAHASRAM TIJARE	OBC	Shortlisted
75	230505295	AKASH SANTOSH KHONDALE	OBC	Shortlisted
76	230503602	KRANTI	UR	Shortlisted
77	230505438	WAGH ABHIJIT SHESHRAO	OBC	Shortlisted
78	230503851	SANGRAM KUMAR RAJAK	SC	Shortlisted
79	230505753	NITIN KUMAR	SC	Shortlisted
80	230503879	PRADEEP KUMAR	OBC	Shortlisted
81	230504383	SHUBHANSHU ATHIYA	SC	Shortlisted
82	230505243	RANJIT SUBHASH RAHANGDALE	OBC	Shortlisted
83	230505266	PRAVEEN	SC	Shortlisted
84	230505330	PUNEET ARYA	SC	Shortlisted
85	230505739	ATUL GANGWAR	OBC	Shortlisted
86	230505702	SANDEEP SAINI	OBC	Shortlisted
87	230503607	MOHIT SAINI	UR	Shortlisted

88	230505544	RAHUL SINGH RAJPOOT	UR	Shortlisted
89	230504120	SONU KUMAR	OBC	Shortlisted
90	230500033	JOGDAND HEMANT ASHOK	SC	Shortlisted
91	230500100	SHIVKUMAR PRAJAPATI	UR	Shortlisted
92	230500155	MITHILESH KUMAR DAS	SC	Shortlisted
93	230500349	UTKARSH YADAV	OBC	Shortlisted
94	230500530	TARUN RUIDAS	SC	Shortlisted
95	230500551	AINUL HASAN ANSARI	OBC	Shortlisted
96	230500585	VIKASH	SC	Shortlisted
97	230500592	JURIYA PURTY	ST	Shortlisted
98	230500596	UBNARE SUMIT DAMAJI	SC	Shortlisted
99	230500631	ANOOP KUMAR GAUTAM	SC	Shortlisted
100	230500650	JAY SINGH	SC	Shortlisted
101	230500986	RAJENDRA KUMAR MARAVI	ST	Shortlisted
102	230501006	PRAVINKUMAR BHOUTIK	SC	Shortlisted
103	230501091	VISHAL PASWAN	SC	Shortlisted
104	230501106	SHUBHAM KUMAR	SC	Shortlisted
105	230501262	DALIP	UR	Shortlisted
106	230501299	RAHUL KUMAR	SC	Shortlisted
107	230501332	ANURAG SAHU	OBC	Shortlisted
108	230501420	MANJESH GAUTAM	SC	Shortlisted
109	230501447	SHIV SAGAR	SC	Shortlisted
110	230501630	CHANDAN RAM	SC	Shortlisted
111	230501739	SUKANTA KUMAR NAIK	ST	Shortlisted
112	230501766	RAHUL	UR	Shortlisted
113	230501783	GAUTAM KUMAR BAUDH	SC	Shortlisted
114	230501868	AMIT BHASKAR	SC	Shortlisted
115	230501931	SAHIL	SC	Shortlisted
116	230501943	SAGAR	OBC	Shortlisted
117	230501962	SUDHIR PURUSHOTTAM BORKAR	SC	Shortlisted
118	230501987	BIKASH KUMAR BADHEI	SC	Shortlisted

119	230502061	DULE SAKSHI SHIVPRAKASH	SC	Shortlisted
120	230502064	VISHWAJEET KUMAR	EWS	Shortlisted
121	230502072	NITIN	SC	Shortlisted
122	230502133	JAI SHREE	OBC	Shortlisted
123	230502147	MITKAL GANESH LALASAHEB	UR	Shortlisted
124	230502235	SHIV KUMAR	SC	Shortlisted
125	230502286	INDERJIT SINGH	SC	Shortlisted
126	230502496	VIJAY PRAKASH	SC	Shortlisted
127	230502547	FIROZ KHAN	OBC	Shortlisted
128	230502554	KHONDALE AKASH SANTOSH	OBC	Shortlisted
129	230502625	NISHANT KUMAR	OBC	Shortlisted
130	230502628	RAMESHWAR ASHOKRAO VISHWAMBHAR	OBC	Shortlisted
131	230502646	RAHUL KUMAR	OBC	Shortlisted
132	230502780	VIJAY THEPE	OBC	Shortlisted
133	230502836	SURESH KUMAR	SC	Shortlisted
134	230502886	MAYANK MEHRA	SC	Shortlisted
135	230502892	ALSHABA NADIM	UR	Shortlisted
136	230503177	ANUJ KUMAR	SC	Shortlisted
137	230503180	RAMMY ROY	SC	Shortlisted
138	230503283	SAHIL	SC	Shortlisted
139	230503349	SHIVPAL GAUTAM	SC	Shortlisted
140	230503385	HARSHITA	OBC	Shortlisted
141	230503417	JITENDRA NAGLE	SC	Shortlisted
142	230503471	PRAJVAL SAHARE	SC	Shortlisted
143	230503475	NEERAJ KUMAR	SC	Shortlisted

TURN - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1	230504482	NIKHIL	SC	R-3
2	230504677	ALBHONES ALEXANDER A	OBC	R-8
3	230504154	GUNJAN AWASTHI	UR	R-7
4	230505603	SHIVARAJAPPA GADDI	SC	R-11
5	230503578	GHARMANSHU BHANOT	UR	R-5
6	230505042	BRIJESH KUMAR	OBC	R-8
7	230503800	ABHISHEK KUMAR	OBC	R-11,R-5
8	230503947	ASHISH BANSIWAL	SC	R-11
9	230505100	AMIT	OBC	R-11
10	230504610	VIJAY GONDANE	SC	R-10
11	230505369	SANJAY KUMAR	OBC	R-1
12	230505545	SUMIT KATARIA	SC	R-11, R-7
13	230503657	FALENDRA SONWANE	OBC	R-8
14	230503982	SUBRATA PAUL	OBC	R-7
15	230505374	ROHIT CHANDRA	EWS	R-7
16	230505669	AMAN SINGH	SC	R-7
17	230505720	NIKOLAS BISWAS	SC	R-7
18	230505860	RANJIT KUMAR	OBC	R-7
19	230504377	SHIVAM SHARMA	UR	R-8
20	230505498	PANCHANAND DAS	SC	R-7
21	230505566	AMIT KUMAR	OBC	R-3,R-1,R-8
22	230504312	ATUL KUMAR	SC	R-3
23	230503954	CHHOTU KUMAR	OBC	R-11
24	230504642	ARVIND KUMAR SEWALIYA	SC	R-3
25	230505760	GOUTAM MANDAL	UR	R-7
26	230505169	AMAR SINGH TANDAN	SC	R-3

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
27	230505193	SANDEEP	SC	R-11
28	230500064	SUBHA BISWAS	SC	R-3
29	230500222	LALBABU	SC	R-11
30	230500364	MULLA MOHAMMED ILIAZ	UR	R-3
31	230500381	ADITYA DADARAO GAIKWAD	SC	R-11, R-5
32	230500684	BINOD EKKA	ST	R-3
33	230500729	PAPPU KUMAR	SC	R-10
34	230500863	LALIT KUMAR	SC	R-3
35	230501024	SWADHIN MARNDI	ST	R-3
36	230501082	RAJU KHARWAR	ST	R-10
37	230501208	GUPIYA MURMU	ST	R-7, R-11
38	230501397	VICKY KUMAR	OBC	R-3
39	230501451	MOUMA DAS	UR	R-10
40	230501563	NAGMANI PASWAN	SC	R-10
41	230501615	RAJ KUMAR	OBC	R-1
42	230501812	RAHULDEB BURMAN	OBC	R-7
43	230501951	OMKAR SINGH	OBC	R-7
44	230502143	GANESH KESHAV SARODE	SC	R-3
45	230502479	JIWAN SINGH	SC	R-11
46	230502736	JOOLI SAXENA	OBC	R-3
47	230502761	RAJAN BHARATI	ST	R-5
48	230502874	KARMJEET	SC	R-10
49	230503000	MANI RAJ MAHATO	SC	R-3
50	230503102	THIPPESWAMY C V	SC	R-3
51	230503211	RUPENDRA SINGH	SC	R-11
52	230503276	AKHILESH KUMAR M U	UR	R-8

TRADE TEST:

1. Set different shaped jobs on different chuck and demonstrate conventional lathe machine operation observing standard operation practice. [Different chucks: - 3 jaws & 4 jaws, different shaped jobs: - round, hexagonal, square]
2. Prepare different cutting tool to produce jobs to appropriate accuracy by performing different turning operations. Different cutting tool – V tool, side cutting, parting, thread cutting (both LH & RH), Different turning operation – Plain, facing, drilling, boring (counter & stepped), grooving, Parallel Turning, Step Turning, parting, chamfering, U -cut, Reaming, internal recess, knurling.
3. Test the alignment of lathe by checking different parameters and adjust the tool post. [Different parameters – Axial slip of main spindle, true running of head stock, parallelism of main spindle, alignment of both the centres.]
4. Set different components of machine & parameters to produce taper/ angular components and ensure proper assembly of the components. [Different component of machine: - Form tool, Compound slide, tail stock offset, taper turning attachment. Different machine parameters- Feed, speed, depth of cut.]
5. Set the different machining parameters to produce different threaded components applying method/ technique and test for proper assembly of the components. Different thread: - BSW, Metric, Square, ACME, Buttress.
6. Set & Produce components on irregular shaped job using different lathe accessories. [Different Lathe accessories: - Face plate, angle plate]
7. Read and apply engineering drawing for different application in the field of work.

Paper-III of Written Test

1. Center punch- materials, construction & material uses. Drill machine-different parts. Hacksaw blades-sizes, different Parts. Hacksaw blades-sizes, different pitch for different materials. Nomenclature of drill.
2. Classification of lathe in Function and construction of different parts of Lathe.
3. Types of lathe drivers, merit and demerit. Description in details-head stock- cone pulley type- all geared type construction & function. Tumbler gearset. Reducing speed - necessary & uses. Back Gear Unit – its construction use
4. Lathe cutting tool-different types, shapes and different angles (clearances and rake), specification of lathe tools.
5. Combination drill- appropriate selection of size from chart of combination drill. Drill, chuck, its uses. Lathe accessories, chuck independent, self-centering, collet, magnetic etc., its function, construction and uses
6. Vernier caliper-its construction, principle graduation and reading, least count etc. Digital vernier caliper. Outside micrometer –different parts, principle, graduation, reading, construction. Digital micrometer. Cutting speed, feed depth of cut, calculation involved-speed feed R.P.M. etc. recommended for different materials
7. Different types of micrometer, Outside micrometer. Vernier scale graduation and reading. Sources of error with micrometer & how to avoid them. Use of digital measuring instruments

8. Drills-different parts, types, size etc., different cutting angles, cutting speed for different material. Boring tool. Counter - sinking and Counter boring. Letter and number drill, core drill etc. Reamers-types and uses. Lubricant and coolant-types, necessity, system of distribution, selection of coolant for different material: Handling and care.
9. Knurling meaning, necessity, types, grade, cutting speed for knurling. Lathe mandrel, different types and their uses. Concept of interchangeability, Limit, Fit and tolerance as per BIS: 919-unilateral and bilateral system of limit, Fits- different types, symbols for holes and shafts. Hole basis & shaft basis etc. Representation of Tolerance in drawing
10. Driving plate, Face plate & fixed & traveling steadies construction and use. Transfer caliper-its construction and uses. Lathe centers-types and their uses. Lathe carrier function types & uses. Mandrel – Different types and its use. Magnetic stand dial indicator, its used and care
11. Taper – different methods of expressing tapers, different standard tapers. Method of taper turning, important dimensions of taper. Taper turning by swiveling compound slide, its calculation
12. Bevel protector & Vernier bevel protractor-its function & reading. Method of taper angle measurement. Sine bar-types and use. Slip gauges-types, uses and selection
13. Basic process of soldering, welding and brazing. Vernier height gauge, function, description & uses, templates its function and construction. Screw thread-definition, purpose & its different elements. Driving plate and lathe carrier and their usage. Fundamentals of thread cutting on lathe. Combination set-square head. Center head, protractor head, its function construction and uses
14. Different types of screw thread- their forms and elements. Application of each type of thread. Drive train. Chain gear formula calculation. Different methods of forming threads. Calculation involved in finding core dia., gear train (simple gearing) calculation. Calculations involving driver driven, lead screw pitch and thread to be cut
15. Tool life, negative top rake-its application and performance with respect to positive top rake
16. Different lathe accessories, their use and care
17. Introduction to Engineering Drawing and Drawing Instruments – · Conventions · Sizes and layout of drawing sheets · Title Block, its position and content · Drawing Instrument Lines- Types and applications in drawing Free hand drawing of · Geometrical figures and blocks with dimension · Transferring measurement from the given object to the free hand sketches. · Free hand drawing of hand tools and measuring tools. Drawing of Geometrical figures: · Angle, Triangle, Circle, Rectangle, Square, Parallelogram, Lettering & Numbering – Single Stroke Dimensioning · Types of arrowhead · Leader line with text · Position of dimensioning (Unidirectional, Aligned) Symbolic representation - · Different symbols used in the related trades. Concept and reading of Drawing in – · Concept of axes plane and quadrant · Concept of Orthographic and Isometric projections · Method of first a
18. Cutting tool material-H.C.S., HSS, Tungsten. Carbide, Ceramic etc, - Constituents and their percentage. Tool life, quality of a cutting material
19. Cutting speed, feed, turning time, depth of cut calculation, cutting speed chart (tungsten carbide tool) etc. Basic classification of tungsten carbide tips
20. Surface finish symbols used on working blueprints- I.S. system lapping, honing etc
21. Preventive maintenance, its necessity, frequency of lubrication. Preventive maintenance schedule, TPM (Total Productive Maintenance), EHS (Environment, health, Safety) Marking table-construction and function. Angle plate construction, eccentricity checking

22. Different types of attachments used in lathe. Various procedures of thread measurement thread screw pitch gauge. Screw thread micrometer, microscope etc
23. Calculation involving fractional threads. Odd & even threads. Multiple thread function, use, different between pitch & lead, formulate to find out start, pitch, lead. Gear ratio etc
24. Indexing of start - different methods tool shape for multi-start thread. Setting of a lathe calculation for required change wheel
25. CNC technology basics: Difference between CNC and conventional lathes. Advantages and disadvantages of CNC machines over conventional machines. Machine model, control system and specification. Axes convention of CNC machine - Machine axes identification for CNC turn centre

Heat treatment – meaning & procedure hardening, tempering, carbonizing etc. Different types of metal used in engineering application.

6. Post Code: FITT, Trade/Area: FITTER - 04 posts [OBC – 01, SC – 01, UR – 02]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ एसटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500011	KAKI SIVA PRASAD	OBC	Shortlisted
2.	230500012	KONATHALA CHIRANJEEVI	OBC	Shortlisted
3.	230500030	ANAND V	OBC	Shortlisted
4.	230500055	HARSAHAY MINA	ST	Shortlisted
5.	230500057	BHANWAR LAL BUNKAR	SC	Shortlisted
6.	230500089	MITHUN BISWAS	SC	Shortlisted
7.	230500104	BABLU NASKAR	SC	Shortlisted
8.	230500119	SUPAL MONDAL	SC	Shortlisted
9.	230500124	GAGAN	SC	Shortlisted
10.	230500142	MANISH KUSHWAHA	OBC	Shortlisted
11.	230500152	SAMIR KUMAR BEHURA	EWS	Shortlisted
12.	230500154	MONU KUMAR	SC	Shortlisted
13.	230500188	BABLU KUMAR CHAUDHARY	SC	Shortlisted
14.	230500207	SONU KUMAR	SC	Shortlisted
15.	230500208	PINKESH	SC	Shortlisted
16.	230500224	DHARMENDRA KUMAR	SC	Shortlisted
17.	230500236	PRATIK DEEPAK WALDE	SC	Shortlisted
18.	230500256	ANKUSH	SC	Shortlisted
19.	230500275	KARISHMA PAL	OBC	Shortlisted
20.	230500276	SUNIL GAUTAM	SC	Shortlisted
21.	230500280	SURYA PRAKASH	SC	Shortlisted
22.	230500305	KUMMARI UPENDAR	SC	Shortlisted
23.	230500314	ALOK KUMAR SINGH	OBC	Shortlisted

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24.	230500336	RISHI PAL	OBC	Shortlisted
25.	230500338	PINTU RAJ PANDIT	EWS	Shortlisted
26.	230500344	RAM KISHOR RAM	SC	Shortlisted
27.	230500371	BEAUTY KUMARI	OBC	Shortlisted
28.	230500372	PENDURTHI ANAND	SC	Shortlisted
29.	230500383	ARVIND	SC	Shortlisted
30.	230500457	ABHISHEK DAS	SC	Shortlisted
31.	230500487	DEVASOTHU SRINIVASA NAIK	ST	Shortlisted
32.	230500493	JATOTH VEERANNA	ST	Shortlisted
33.	230500522	ATHIRA P S	OBC	Shortlisted
34.	230500559	ANIL	SC	Shortlisted
35.	230500582	DEEPAK	SC	Shortlisted
36.	230500607	VIKAS VERMA	SC	Shortlisted
37.	230500663	RAVI KANT	SC	Shortlisted
38.	230500667	ROHIT SAKSENA	SC	Shortlisted
39.	230500689	BABU KAPTAN SINGH	SC	Shortlisted
40.	230500782	PUSHP KUMAR	OBC	Shortlisted
41.	230500848	AMIT KUMAR	SC	Shortlisted
42.	230500858	SHIV PRAKASH	SC	Shortlisted
43.	230500875	RAHUL VILAS BORKAR	SC	Shortlisted
44.	230500896	NARENDRA KUMAR MEENA	ST	Shortlisted
45.	230500902	NAVEEN BEHERA	SC	Shortlisted
46.	230500903	CHITYALA VIJAY	SC	Shortlisted
47.	230500910	KARRI SATYANARAYANA	OBC	Shortlisted

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48.	230500943	MATHUR NILESH KUMAR RAJARAM	ESM OBC	Shortlisted
49.	230500959	JYOTI RANJAN BEHERA	SC	Shortlisted
50.	230501001	KARAN SAH GOND	ST	Shortlisted
51.	230501017	RABI HELA	SC	Shortlisted
52.	230501018	ASHISH CHAUDHARI	SC	Shortlisted
53.	230501038	SUSHANTA HALDER	SC	Shortlisted
54.	230501058	SUNIL KUMAR DAS	SC	Shortlisted
55.	230501096	GAUTAM KUMAR	SC	Shortlisted
56.	230501101	UJJAWAL SINGH	UR	Shortlisted
57.	230501120	VIVEK KUMAR	SC	Shortlisted
58.	230501143	RANJAN KUMAR HEMBRAM	ST	Shortlisted
59.	230501146	VIKAS SALVI	SC	Shortlisted
60.	230501149	PINTOO	SC	Shortlisted
61.	230501157	PABITRA KHAN	SC	Shortlisted
62.	230501191	AMGOTH VASANTH	ST	Shortlisted
63.	230501261	GAURAV SINGH	ST	Shortlisted
64.	230501263	RAHUL RAJAK	SC	Shortlisted
65.	230501284	SONU KUMAR	SC	Shortlisted
66.	230501329	PANDIT RANJEETKUMAR ARVINDKUMAR	UR	Shortlisted
67.	230501357	NIKUNJKUMAR LALITKUMAR PURANI	SC	Shortlisted
68.	230501378	SAGAR KUMAR	SC	Shortlisted
69.	230501417	SUMAN DAS	SC	Shortlisted
70.	230501426	PABITRA JENA	SC	Shortlisted
71.	230501429	KALARKAR PRANAY SIDDHARTH	UR	Shortlisted

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72.	230501464	ANIKET SINGH	EWS	Shortlisted
73.	230501572	BOORULUKUI HEMBRAM	ST	Shortlisted
74.	230501593	ANITA DEVI	SC	Shortlisted
75.	230501597	SUBHASH CHANDAR	SC	Shortlisted
76.	230501600	TAPNESHWAR	EWS	Shortlisted
77.	230501637	PRAJWAL DIWAKAR TUMDE	OBC	Shortlisted for UR post as OBC certificate not attached
78.	230501650	MANDEEP SINGH	UR	Shortlisted
79.	230501681	TUSHAR RAJESH LANJEWAR	SC	Shortlisted
80.	230501752	SADI JAGANNATH REDDY	EWS	Shortlisted
81.	230501774	PRADIP DIWAKAR KALARKAR	SC	Shortlisted
82.	230501811	ADITYA KUMAR SETHI	SC	Shortlisted
83.	230501855	PAWAN KUMAR	SC	Shortlisted
84.	230501869	ANKIT KUMAR MAURYA	OBC	Shortlisted
85.	230501874	KOUSHIK MONDAL	SC	Shortlisted
86.	230501882	PALASPAGAR SAIL SAHADEO	SC	Shortlisted
87.	230501889	NARESH KUMAR BAIRWA	SC	Shortlisted
88.	230501895	AMAN KUMAR	SC	Shortlisted
89.	230501899	SHRIKRUSHNA AVINASH MADKAM	ST	Shortlisted
90.	230501903	RAKOTI APPANNA	SC	Shortlisted
91.	230501909	VRAJESHKUMAR PARMAR	SC	Shortlisted
92.	230501910	ANKIT	SC	Shortlisted
93.	230501970	NIRAJ KUMAR	SC	Shortlisted
94.	230501975	AASHISH KAITHWAS	SC	Shortlisted

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95.	230501980	ASHUTOSH PANDEY	UR	Shortlisted
96.	230501984	RAHUL BHAGAT	ST	Shortlisted
97.	230502017	AMULYA ROUT	EWS	Shortlisted
98.	230502059	AVANISH SINGH	EWS	Shortlisted
99.	230502069	GAURAV KUMAR	SC	Shortlisted
100.	230502079	PARAS	SC	Shortlisted
101.	230502085	DEEPAK SHARM	ST	Shortlisted
102.	230502099	ARUNJITH S S	SC	Shortlisted
103.	230502101	JITENDRA VISHWAKARMA	OBC	Shortlisted
104.	230502207	KAPIL TRIVEDI	EWS	Shortlisted
105.	230502218	SANJAY MARNDI	ST	Shortlisted
106.	230502221	KAPIL GAJBHIYE	SC	Shortlisted
107.	230502223	ARPAN EKKA	ST	Shortlisted
108.	230502233	PARMOD	SC	Shortlisted
109.	230502264	PROSENJIT CHANDRA MONDAL	SC	Shortlisted
110.	230502361	RAJ KISHOR	SC	Shortlisted
111.	230502403	SHIVANGI SINGH CHAUHAN	UR	Shortlisted
112.	230502430	SRINIVAS BALIJI	OBC	Shortlisted
113.	230502432	VIRENDER	SC	Shortlisted
114.	230502434	VIKASH SINGH VAIS	OBC	Shortlisted
115.	230502442	SUMIT KUMAR	OBC	Shortlisted
116.	230502482	SANGAM PRADHAN	ST	Shortlisted
117.	230502495	PAVAN KUMAR PUROHIT	EWS	Shortlisted
118.	230502533	PANCHAL BRIJESHKUMAR MAHESHCHANDRA	OBC	Shortlisted

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119.	230502550	SONU KUMAR	ST	Shortlisted
120.	230502551	GAGANDEEP	OBC	Shortlisted
121.	230502604	ANSHUL KUMAR	ST	Shortlisted
122.	230502618	MRUTYUNJAY BEHERA	SC	Shortlisted
123.	230502663	MANOKAR G	OBC	Shortlisted
124.	230502741	PRADEEPKUMAR DHUPCHAND YADAV	OBC	Shortlisted
125.	230502758	ANIMIREDDY SATYA SAI SURESH	OBC	Shortlisted
126.	230502764	DEEPAK KUMAR	OBC	Shortlisted
127.	230502816	MD TOUSIF BELAL	OBC	Shortlisted
128.	230502827	NIMISHA MISHRA	EWS	Shortlisted
129.	230502848	MANOJPRABHAKAR A	OBC	Shortlisted
130.	230502853	KISUN MARNDI	ST	Shortlisted
131.	230502898	SHUBHAM KUMAR	SC	Shortlisted
132.	230502945	VISHAL RATHOD	SC	Shortlisted
133.	230502979	NAGENDRA H K	SC	Shortlisted
134.	230502989	MUKESH YADAV	OBC	Shortlisted
135.	230502983	BANDANA YADAV	OBC	Shortlisted
136.	230503022	RAVI SINGH	OBC	Shortlisted
137.	230503023	VIJAY GAUTAM	SC	Shortlisted
138.	230503026	MADDA PRASANTH KUMAR	SC	Shortlisted
139.	230503094	RANJEET SAGAR	UR PwD	Shortlisted
140.	230503099	VIKASH CHETAN	SC	Shortlisted
141.	230503152	SUMIT KUMAR	SC	Shortlisted
142.	230503159	NIDHI SINGH	OBC	Shortlisted

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143.	230503277	KARTIK SAHU	Pwd OBC	Shortlisted
144.	230503288	MANOJ KUMAR	SC	Shortlisted
145.	230503289	VISHAL KAMAL	SC	Shortlisted
146.	230503290	JOBIL M	OBC	Shortlisted
147.	230503299	SANKET DADARAO BHURKUNDE	SC	Shortlisted
148.	230503312	UMESH KUMAR	OBC	Shortlisted
149.	230503319	VIVEK KUMAR	OBC	Shortlisted
150.	230503327	PANKAJ MEHTO	UR	Shortlisted
151.	230503413	KELOTHU MOHANLAL	ST	Shortlisted
152.	230503421	HARSAHAY MINA	ST	Shortlisted
153.	230503495	MADIPELLY VINITHKUMAR	SC	Shortlisted
154.	230503503	SARITA GUPTA	UR	Shortlisted
155.	230503559	SOMBIR	OBC	Shortlisted
156.	230503560	RAJESH KUMAR	OBC	Shortlisted
157.	230503562	SHUBHAM ANIL RATNAPARKHI	OBC	Shortlisted
158.	230503611	AKASHDEEP SINGH	SC	Shortlisted
159.	230503620	VIRENDRA SHARMA	ST	Shortlisted
160.	230503640	RAIKWAD KOMAL KESHORAO	OBC	Shortlisted
161.	230503642	MANOKAR G	OBC	Shortlisted
162.	230503643	ROHIT	SC	Shortlisted
163.	230503648	SANDEEP KUMAR UMRESHA	SC	Shortlisted
164.	230503650	MANISH SHARMA	OBC	Shortlisted
165.	230503660	POOJA MONDAL	OBC	Shortlisted
166.	230503670	SAURAV KUMAR	OBC	Shortlisted

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167.	230503678	KIRAN PATEL	OBC	Shortlisted
168.	230503684	ADITYA ARYAN	OBC	Shortlisted
169.	230503687	PRAVEEN P J	OBC	Shortlisted
170.	230503713	AJAY BHARSAKHALE	SC	Shortlisted
171.	230503731	PRINCE	SC	Shortlisted
172.	230503742	KM DIKCHHA SINGH	EWS	Shortlisted
173.	230503748	SONU CHAUHAN	UR PWD	Shortlisted
174.	230503751	MANISH KUMAR	SC	Shortlisted
175.	230503776	VINAY SHYAM YADAV	UR	Shortlisted
176.	230503843	SUMIT KUMAR	SC	Shortlisted
177.	230503874	ASHUTOSH KUMAR	OBC	Shortlisted
178.	230503911	VIJIK	SC	Shortlisted
179.	230503920	ANKIT RAJU BAGDE	SC	Shortlisted
180.	230503940	VISWA T	SC	Shortlisted
181.	230503976	KAPIL	UR	Shortlisted
182.	230503987	HARISHANKAR T V	OBC	Shortlisted
183.	230503991	RAVI KUMAR	OBC	Shortlisted
184.	230504019	VEER VIKRAM SINGH	SC	Shortlisted
185.	230504064	SHAJIK HASAN	OBC	Shortlisted
186.	230504074	HARI RAM MEENA	ST	Shortlisted
187.	230504098	ANKIT KUMAR	OBC	Shortlisted
188.	230504111	AMRENDRA KUMAR CHAUDARY	UR	Shortlisted
189.	230504117	ANKIT KUMAR PANDEY	UR	Shortlisted
190.	230504123	SANGEETHA R	SC	Shortlisted

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191.	230504131	ATALA SHA	EWS	Shortlisted
192.	230504137	B DARSHAN	SC	Shortlisted
193.	230504141	KARAN KUMAR KUMRE	ST	Shortlisted
194.	230504180	PRAVEEN P	OBC	Shortlisted
195.	230504185	MANISH KUMAR	OBC	Shortlisted
196.	230504196	RAHUL VERMA	SC	Shortlisted
197.	230504225	PARMATMA KUMAR PANDEY	EWS	Shortlisted
198.	230504246	GURMEET SINGH	SC	Shortlisted
199.	230504279	JASPAL SINGH	OBC	Shortlisted
200.	230504294	SURYA PRAKASH KEWAT	OBC	Shortlisted
201.	230504340	PRADEESH S	OBC	Shortlisted
202.	230504353	VINOD KUMAR	SC	Shortlisted
203.	230504361	RAHUL	OBC	Shortlisted
204.	230504370	SHUBHAM KUMAR	EWS	Shortlisted
205.	230504445	VIKRAM RAM	SC	Shortlisted
206.	230504446	SRINATH S	SC	Shortlisted
207.	230504526	NAVNEET KUMAR KANNAUJIA	SC	Shortlisted
208.	230504530	SUKHADEVE ANKUR ASHOK	SC	Shortlisted
209.	230504575	DEBABRATA DAS	EWS	Shortlisted
210.	230504599	NITIN ORAON	ST	Shortlisted
211.	230504602	APPIREDDY SAI KRISHNA	EWS	Shortlisted
212.	230504630	KAUSHIK KUMAR	SC	Shortlisted
213.	230504646	DIVYA N	SC	Shortlisted

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214.	230504650	GAURAV YADAV	OBC	Shortlisted
215.	230504672	PRITESH KUMAR	SC	Shortlisted
216.	230504771	PARMINDER SINGH	OBC	Shortlisted
217.	230504778	MOHAMMAD AAQIB	OBC	Shortlisted
218.	230504782	ATUL JHA	UR	Shortlisted
219.	230504809	RAMACHANDRAN	SC	Shortlisted
220.	230504831	ROBIMON R	OBC	Shortlisted
221.	230504839	ABHISHEK KUMAR JANGDE	SC	Shortlisted
222.	230504855	GEMMELA SAIKIRAN	ST	Shortlisted
223.	230504880	SURAJ KUMAR	SC	Shortlisted
224.	230504884	SOUMEN DAS	OBC	Shortlisted
225.	230504930	KISHAN PRAJAPATI	OBC	Shortlisted for UR post as OBC certificate not attached
226.	230504936	MOHAMMAD AAQIB	OBC	Shortlisted
227.	230504937	ABHIJIT PAUL	UR	Shortlisted
228.	230504938	JAI KUMAR	UR	Shortlisted
229.	230504969	RISHABH CHAUHAN	UR	Shortlisted
230.	230504971	SHAILESH KUMAR	SC	Shortlisted
231.	230504975	PIYUSH KUMAR	OBC	Shortlisted
232.	230504976	BIKRAMJIT GAYEN	SC	Shortlisted
233.	230504987	SACHIN KUMAR	SC	Shortlisted
234.	230504989	SIBANANDA PRADHAN	OBC	Shortlisted
235.	230505011	MD AZHARUDDIN	OBC	Shortlisted

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236.	230505025	REKHRAJ	OBC	Shortlisted
237.	230505031	SATISH SUNARIYA	SC	Shortlisted
238.	230505043	SATPAL SINGH	SC	Shortlisted
239.	230505064	AMIT KUMAR	SC	Shortlisted
240.	230505076	BALAMURUGAN S	EWS	Shortlisted
241.	230505085	SUSHEEL KUMAR	SC	Shortlisted
242.	230505110	DEBOJYOTI PUROHIT	OBC	Shortlisted
243.	230505119	SAURABH KUMAR SAHU	OBC	Shortlisted
244.	230505153	VISHAL KUMAR	SC	Shortlisted
245.	230505183	NIHAL TANWAR	UR	Shortlisted
246.	230505192	UMESH KUMAR	OBC	Shortlisted
247.	230505232	SHENDE ADITYA MANOHAR	SC	Shortlisted
248.	230505241	BHEEMARASETTI JAGADEESH	OBC	Shortlisted
249.	230505242	AKSHAY KUMAR V G	OBC	Shortlisted
250.	230505262	SURYAWANSHI VINIT RAJENDRA	OBC	Shortlisted
251.	230505273	GORLE APPALA NAIDU	OBC	Shortlisted
252.	230505298	SANDEEP KUMAR MAHTO	OBC	Shortlisted
253.	230505307	AJAY PAL	OBC	Shortlisted
254.	230505343	SATVIR SINGH	SC	Shortlisted
255.	230505361	SUJIT KUMAR GOND	UR	Shortlisted
256.	230505378	SINDUPATH S	SC	Shortlisted

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257.	230505412	AMIT KUMAR	UR	Shortlisted
258.	230505420	DEEPANKAR SHUKLA	EWS	Shortlisted
259.	230505432	RISHAV GHOSH	UR	Shortlisted
260.	230505433	SHUBHADEEP MONDAL	SC	Shortlisted
261.	230505456	MANOBHARATHI R	EWS	Shortlisted
262.	230505470	UTTESH KUMAR MAJHI	SC	Shortlisted
263.	230505493	DINESH S	SC	Shortlisted
264.	230505500	CHINTALA VENKATA KRISHNA	OBC	Shortlisted
265.	230505509	RAJ	OBC	Shortlisted
266.	230505510	ALOK KUMAR GHOSE	OBC	Shortlisted
267.	230505547	AMIT KUMAR	UR	Shortlisted
268.	230505571	SONU SINGH	OBC	Shortlisted
269.	230505582	AMIT KUMAR MANDAL	OBC	Shortlisted
270.	230505595	AKASH KUMAR	UR	Shortlisted
271.	230505597	RAHUL KUMAR SHARMA	OBC	Shortlisted
272.	230505611	DURGESH GUPTA	OBC	Shortlisted
273.	230505614	AVINASH SINGH YADAV	OBC	Shortlisted
274.	230505643	DEVKINANDAN VAISHNAV	UR	Shortlisted
275.	230505657	GULSHAN KUMAR AHIR	OBC	Shortlisted
276.	230505660	KULDEEP MANJHI	SC	Shortlisted
277.	230505673	RAHUL	SC	Shortlisted
278.	230505680	SELOKAR SHYAM REWAJI	UR	Shortlisted

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279.	230505713	DALVIR SINGH	OBC	Shortlisted
280.	230505718	ANKUSH KUMAR	UR	Shortlisted
281.	230505746	SAJITH T	SC	Shortlisted
282.	230505791	SNEHA S V	OBC	Shortlisted
283.	230505797	SANKET	OBC	Shortlisted
284.	230505819	SHENDE ADITYA MANOHAR	SC	Shortlisted
285.	230505827	VIKAS KUMAR	SC	Shortlisted
286.	230505844	VICKY	OBC	Shortlisted
287.	230505891	VARADA JAGADEESH	OBC	Shortlisted

FITT - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एस सी/एसटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500014	RAKESH KUMAR BAIRWA	SC	R-9
2.	230500046	BAKKA RAKESH	SC	R-1
3.	230500051	RAMTEKE SHRIKANT GAUTAM	SC	R-1
4.	230500072	DHEERAJ KUMAR MAHAWAR	SC	R-3
5.	230500086	VIPIN KUMAR	SC	R-1
6.	230500094	ADITYA KUMAR MANDAL	SC	R-1
7.	230500108	SHREEKANT TUDU	ST	R-5; R-7
8.	230500114	ANUJ KUMAR	SC	R-5, R-11
9.	230500120	RAUNAK KUMAR SHARMA	ST	R-3
10.	230500174	ABHISHEK KUMAR	SC	R-5, R-7
11.	230500183	ANWAR	OBC	R-5, R-11
12.	230500228	NITEESH KUMAR	OBC	R-5,R-7,R-11
13.	230500234	MONU KUMAR	SC	R-11
14.	230500306	RAJEEV KUMAR	SC	R-5, R-11
15.	230500326	PRAJEESH K P	SC	R-1
16.	230500352	RAVI KUMAR	SC	R-5, R-7, R-11
17.	230500361	SANNI KUMAR	SC	R-7, R-11
18.	230500449	HEMANT KUMAR	SC	R-1
19.	230500454	MRUNAL KAVIRAJ SAROJKAR	SC	R-7, R-11
20.	230500496	AMZAD MALIK	SC	R-5, R-7, R-11
21.	230500500	ISHIKA DAS	UR	R-7
22.	230500507	SADHAN BARMAN	SC	R-5, R-7
23.	230500541	VISHAL KUMAR SHARMA	ST	R-3
24.	230500639	DIBAKAR TANTI	SC	R-3

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25.	230500662	DEEPAK KUMAR BHASKAR	SC	R-5, R-7, R-11
26.	230500677	DUKHIRAM BASKEY	ST	R-1
27.	230500683	KALVIARASAN B	SC	R-1
28.	230500688	ANIL KUMAR YADAV	OBC	R-8, R-7, R-11
29.	230500737	RIKESH KUMAR	SC	R-5
30.	230500790	BINIT NANDAN MODI	ST	R-5, R-11, R-1
31.	230500833	BANOTH RAJKUMAR	ST	R-5, R-7, R-11, R-1
32.	230500847	VIKAS	SC	R-1
33.	230500855	SAGAR SETHI	SC	R1
34.	230500869	DILDAR KUMAR	SC	R-5, R-7, R-1
35.	230500906	SURAJ VERMA	SC	R-5, R-11
36.	230500913	VIVEK KUMAR	SC	R-5, R-7, R-11
37.	230500946	KOLA PRASAD BABU	SC	R-3, R-1
38.	230500970	MANTU TIGGA	ST	R-7
39.	230500983	ALOK KUMAR	SC	R-5
40.	230501033	RAGENDRA KUMAR	SC	R-1
41.	230501036	ARPIT SATYARTHI	SC	R-3, R-1
42.	230501127	SRINIVASA RAO GATI	SC	R-5, R-7, R-11
43.	230501153	ARUN	SC	R-1
44.	230501204	ARJUN KUMAR	SC	R-1
45.	230501252	BABLOO KUMAR	ST	R-11
46.	230501340	SUVAJIT THAKURA	UR	R-5, R-7, R-8
47.	230501367	SUBHAJIT DAS	SC	R-7, R-3
48.	230501405	SUBHASH KUMAR	SC	R-1
49.	230501434	PAWAN	SC	R-3, R-11
50.	230501450	ANSHIKA	OBC	R-5, R-7, R-11

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51.	230501453	VIDYA BHARTI	OBC	R-5, R-7
52.	230501463	RAJESH MUNDA	SC	R-3, R-1
53.	230501485	CHININGINI VINODKUMAR	SC	R-3
54.	230501505	DIPAK SAH	SC	R-3
55.	230501519	HRUDANANDA SUNA	SC	R-1, R-5, R-7
56.	230501529	SUNIL KUMAR YADAV	OBC	R-5, R-7, R-8
57.	230501532	GHANSHYAM	OBC	R-8
58.	230501580	VANKAR RAVIKUMAR BHAILALBHAI	SC	R-3
59.	230501606	VISHAL CHOUDHARY	SC	R-5, R-7, R-11
60.	230501628	SANDIP TUDU	ST	R-3
61.	230501755	DHARMENDRA SUBHASH SIDAM	ST	R-3
62.	230501767	RUPU TUDU	ST	R-3
63.	230501779	PARTHA HALDER	SC	R-1
64.	230501866	AMRITALAL KARMAKAR	SC	R-3
65.	230501881	AMIT KUMAR	SC	R-3
66.	230501916	SOUVICK MAZUMDER	SC	R-1
67.	230501960	GAURAV KUMAR	SC	R-3
68.	230501988	KARISHMA	SC	R-3
69.	230502015	PAWAN BARAIK	ST	R-3
70.	230502023	JYOTI KUMAR	UR	R-3
71.	230502027	ADARSH	SC	R-7, R-11
72.	230502040	VINOD KUMAR	SC	R-3, R-1
73.	230502051	YERUVA VENKATESWARA REDDY	EWS	R-16
74.	230502068	KANAKAM KOTESWAR RAO	SC	R-1
75.	230502077	SANDIP KUMAR	OBC	R-11, R-8, R-7, R-1

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76.	230502078	BIPUL HAZRA	SC	R-7, R-1
77.	230502106	AMIT DEY	SC	R-7
78.	230502113	SANTU POREL	SC	R-7
79.	230502115	SHUBHAM KUMAR	SC	R-11
80.	230502117	WASNIK RUPESH MANIKRAO	SC	R-1, R-3
81.	230502164	SUDHIR BEHERA	SC	R-5, R-7
82.	230502182	SHAILESH KUMAR MAHAWER	SC	R-11, R-1
83.	230502295	SURAJ KUMAR	SC	R-7, R-1
84.	230502301	NIRMAL KUMAR SHARMA	SC	R-1, R-7, R-5, R-11
85.	230502337	AMRUTHALURI PRADEEP	SC	R-11
86.	230502351	PABBATHI BALAKRISHNAIAH	SC	R-1
87.	230502353	MANOJ KUMAR BARLA	ST	R-5, R-11
88.	230502422	SYAM SANTHOSH P	SC	R-1
89.	230502435	HAREKRUSHNA SETHY	SC	R-3, R-1
90.	230502488	AMIT KUMAR	SC	R-1
91.	230502501	SANTOSH KUMAR	SC	R-5, R-11
92.	230502518	MANKESHWAR SHAW	ST	R-3
93.	230502548	SOMNATH ADHIKARY	SC	R-3
94.	230502555	BADGE RAHUL GOPAL	SC	R-1
95.	230502557	VIRENDRA KUMAR	ST	R-3, R-11
96.	230502574	LAKHANLAL CHAMAR	SC	R-1
97.	230502576	PRAVEEN KUMAR	OBC	R-11
98.	230502579	KARTTIK KUMAR MALIK	SC	R-3, R-1
99.	230502603	GOLLAKOTA ESWARA SUBRAHMANYAM	EWS	R-12
100.	230502609	KAJOD MEENA	ST	R-3, R-11
101.	230502637	SURAJ KINDO	ST	R-7, R-11

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102.	230502649	SAHEB SARKAR	UR	R-8, R-7, R-5
103.	230502710	RAJ KUMAR RAJAK	SC	R-3, R-5, R-1
104.	230502712	PARVEEN KUMAR	SC	R-1
105.	230502717	BADGE RAHUL GOPAL	SC	R-1
106.	230502762	DEEP CHANDRA	SC	R-5
107.	230502778	ANANYA M	UR	R-7, R-5, R-8
108.	230502824	NAVEEN	OBC	R-11
109.	230502974	HEMANT KUJUR	ST	R-3, R-1
110.	230503080	RITESH KUMAR BHARTI	SC	R-11
111.	230503093	ADITYA KUMAR	SC	R-5, R-11
112.	230503118	ARPAN KERKETTA	ST	R-1
113.	230503145	SAVSANKAR SIRKA	ST	R-3
114.	230503174	PURNENDRA KUMAR RAJAK	OBC	R-1
115.	230503199	LAXMAN MAJHI	ST	R-1
116.	230503206	AMIT	UR	R-3
117.	230503210	BODDA RAMAKRISHNA	OBC	R-7
118.	230503239	AKSHAY KUMAR	OBC	R-3
119.	230503249	ANKIT GOND	ST	R-3, R-11
120.	230503251	DEEPAK GAUTAM	SC	R-7, R-11
121.	230503264	ABHISHEK KHARERA	ST	R-3
122.	230503311	JUGAL KISHOR CHAKRAVARTY	OBC	R-5, R-7
123.	230503326	MUKESH BEHERA	SC	R-3, R-7, R-11
124.	230503330	MANOJ KUMAR	SC	R-1
125.	230503338	VIKAS KUMAR	SC	R-5, R-11
126.	230503353	SANDEEP KUMAR	SC	R-11, R-1

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127.	230503355	ASHISH MANDAL	SC	R-7
128.	230503358	JAMALPUR VARUN	ST	R-7, R-11
129.	230503370	SAURABH	SC	R-5, R-7
130.	230503372	BODDA RAMAKRISHNA	OBC	R-7
131.	230503376	VICKY KUMAR	OBC PwD	R-5, R-7, R-11
132.	230503418	HEERA LAL	SC	R-7, R-11
133.	230503446	SEKHAR CHANDRA KUMAR	EWS	R-16
134.	230503457	BASAVANTH SHIVANAND	SC	R-1
135.	230503504	AMAN KUMAR THAKUR	ST	R-3
136.	230503534	GULSHAN KUMAR MAURYA	SC	R-7, R-11
137.	230503615	GANESH MINZ	ST	R-3
138.	230503616	IKBAL RANGREJ	OBC	R-3
139.	230503635	DURGA CHARAN MAHATHA	EWS	R-12
140.	230503685	DINESH KUMAR KHUNTE	SC PWD	R-3
141.	230503702	GHARMANSHU BHANOT	UR	R-5
142.	230503754	BHART BHATI	SC	R-11
143.	230503837	RAM PRAKASH GAUTAM	SC	R-7, R-5, R-11
144.	230503863	ARVIND KUMAR	SC	R-3, R-1
145.	230503924	ABOLI DHAMGAYE	SC	R-11
146.	230503925	PIYUSH ARYA	SC	R-7, R-11
147.	230503939	VIKRAM SINGH BADGUJAR	UR	R-1, R-9
148.	230503968	AKRAM KUMAR	UR	R-8
149.	230503985	JAMES TIRKEY	ST	R-1
150.	230504040	RAJENDRA MAJHI	ST	R-3, R-11, R-1
151.	230504100	SANJOURANG BORO	ST	R-1, R-3

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152.	230504103	ANKIT NAGSEN RAUT	SC	R-1
153.	230504155	YATENDRA KUMAR NAGESHWAR	SC	R-3, R-5
154.	230504158	LOKESHKUMAR KHELCHAND WAGHADE	OBC	R-8, R-9
155.	230504173	VISHAL KUMAR	SC	R-7, R-11
156.	230504209	JELBIN C J	UR	R-1, R-7
157.	230504213	SYED IRFAN	EWS	R-12
158.	230504243	GOPINATH M	OBC	R-8
159.	230504260	RAVINDER SINGH	OBC	R-11, R-3
160.	230504276	AKASH BABU	SC	R-11
161.	230504298	VADITHE CHANTI NAIK	ST	R-3
162.	230504305	AMIT KUMAR	SC	R-7, R-5
163.	230504321	AMIT KUMAR GABEL	OBC	R-11
164.	230504336	NILESH MULCHAND PATLE	OBC	R-11
165.	230504362	NILESH MULCHAND PATLE	OBC	R-17
166.	230504395	ANIKET VERMA	SC	R-5, R-7
167.	230504435	ANGALKURTH VIDYASAGAR	SC	R-5,R-11
168.	230504469	ABHAY KUMAR	SC	R-11
169.	230504481	SATISH KUMAR	SC	R-7
170.	230504495	DURGESH KUMAR	SC	R-5,R-7, R-11
171.	230504507	BHUKYA ASHOKKUMAR	ST	R-3, R-1
172.	230504548	RATHOD AMAYKUMAR PURSHOTTAMBHAI	SC	R-7, R-11
173.	230504578	BARSHA MAJUMDER	SC	R-7
174.	230504582	AMARNATH HAZRA	SC	R-3, R-7
175.	230504607	VIKASH KUMAR	OBC	R-7
176.	230504608	RAMAKANT SAROJ	SC	R-11, R-5

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177.	230504647	JASWANT SINGH PAWAR	ST	R1
178.	230504651	BOOKYASEVYA	ST	R-5, R-7, R-11, R-1
179.	230504657	MANISHPASWAN	SC	R-11
180.	230504658	ASHISH KUMAR	SC	R-5, R-11
181.	230504666	GUNANIDHI BEHERA	SC	R-3, R-1
182.	230504699	AKASH MADHUKAR DHOTE	SC	R-1
183.	230504713	KAMAL KISHOR TIWARI	UR	R-3
184.	230504714	SONU KAMAL	SC	R-3
185.	230504716	MUKESH KUMAR	SC	R-3, R-1
186.	230504722	KATARAPU PRASAD KUMAR	OBC	R-11
187.	230504725	BASUDEV TOPPO	ST	R-3
188.	230504739	AJAY KUMAR	SC	R-1
189.	230504765	RENJITH B A	UR	R-5
190.	230504773	PRINCE RAWAT	OBC	R-7
191.	230504911	GENDLAL MALVI	OBC	R-11
192.	230504926	MONU KUMAR	SC	R-5, R-7, R-11
193.	230504948	ERWIN EKKA	ST	R-3, R-5, R-11, R-1
194.	230504949	AMARJEET	SC	R-11
195.	230504967	AMITOSH KUMAR	OBC	R-7
196.	230504986	AMBUJ MISHRA	UR	R-3
197.	230504992	VIPIN BABU	OBC	R-8
198.	230505005	BHARGAV KOKILA	SC	R-11, R-3, R-1
199.	230505026	VINOD GOCHER	OBC	R-8, R-9
200.	230505048	RAJ KISHORE SAHOO	EWS	R-12
201.	230505088	ANISH KUMAR PANDEY	EWS	R-12
202.	230505105	PRAMOD KUMAR	UR	R-7

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203.	230505131	SUBHABRATA SARDAR	SC	R-1
204.	230505152	PRAKASH CHANDRA	SC	R-3, R-5, R-11
205.	230505167	PUSHPENDRA SINGH	EWS	R-1
206.	230505199	ABHIJEET KUMAR	SC	R-3
207.	230505203	NIDHEESH A T K	OBC	R-5, R-7, R-11
208.	230505215	HEMANT KOL	ST	R-3, R-11
209.	230505384	CHANDAN KUMAR	SC	R-11
210.	230505444	GOVERNMENT ITI SITAMARHI	OBC	R-16
211.	230505506	SURAJ DNYANESHWAR KANNAKE	ST	R-5, R-7, R-11, R-1
212.	230505524	SANTOSH RAWAT	UR	R-1
213.	230505569	GAURAV KUMAR	OBC	R-11
214.	230505574	BIKRAM DHIBAR	OBC	R-7
215.	230505652	RAJKUMAR DARJEE	SC	R-3
216.	230505681	SELOKAR VICKY REWAJI	OBC	R-3
217.	230505690	SURESH KUMAR	UR	R-1
218.	230505725	RASHMI	UR	R-5
219.	230505773	SAHIL	UR	R-7
220.	230505788	PARMAR RAJESHKUMAR	OBC	R-11
221.	230505850	ANGAD YADAV	OBC	R-3

Post Code: FITT - Syllabus for Trade Test and Paper-III of Written Test

TRADE TEST:

1. Plan and organize the work to make job as per specification by applying different types of basic fitting operation and Check for dimensional accuracy following safety precautions. [Basic fitting operation – marking, Hacksawing, Chiselling, Filing, Drilling, Taping and Grinding etc.
2. Produce components by different operations and check accuracy using appropriate measuring instruments. [Different Operations - Drilling, Reaming, Taping, Dieing; Appropriate Measuring Instrument – Vernier, Screw Gauge, Micrometer]
3. Make different fit of components for assembling as per required tolerance observing principle of interchangeability and check for functionality.
4. Make & assemble components of different mating surfaces as per required tolerance by different surface finishing operations using different fastening components, tools and check functionality. [Different Mating Surfaces – Dovetail fitting, Radius fitting, Combined fitting; Different surface finishing operations – Scraping, Lapping and Honing; Different fastening components – Dowel pins, screws, bolts, keys and cotters; Different fastening tools-hand operated & power tools].
5. Read and apply engineering drawing for different application in the field of work.

Paper-III of Written Test

1. Linear measurements - its units, dividers, calipers, hermaphrodite, centre punch, dot punch, prick punch their description and uses of different types of hammers. Description, use and care of 'V' Blocks, marking off table. Measuring standards (English, Metric Units), angular measurements. Bench vice construction, types, uses, care & maintenance, vice clamps, hacksaw frames and blades, specification, description, types and their uses, method of using hacksaws. Files - specifications, description, materials, grades, cuts, file elements, uses. Types of files, care and maintenance of files. Measuring standards (English, Metric Units), angular measurements.
2. Marking off and layout tools, dividers, scribing block, description, classification, material, care & maintenance. Try square, ordinary depth gauge, protractor - description, uses and cares. Uses, care & maintenance of cold chisels - materials, types, cutting angles. Marking media, marking blue, Prussian blue, red lead, chalk and their special application, description. Use, care and maintenance of scribing block. Surface plate and auxiliary marking equipment, 'V' block, angle plates, parallel block, description, types, uses, accuracy, care and maintenance. Physical properties of engineering metal: colour, weight, structure, and conductivity, magnetic, fusibility, specific gravity. Mechanical properties: ductility, malleability hardness, brittleness, toughness, tenacity, and elasticity.
3. Micrometer- outside and inside – principle, constructional features, parts graduation, reading, use and care. Micrometer depth gauge, parts, graduation, reading, use and care. Digital micrometer.
4. Vernier calipers, principle, construction, graduations, reading, use and care. Vernier bevel protractor, construction, graduations, reading, use and care, dial Vernier Caliper, Digital Vernier caliper. 26 FITTER

Vernier height gauge: material construction, parts, graduations (English & Metric) uses, care and maintenance.

5. Drilling processes: common type (bench type, pillar type, radial type), gang and multiple drilling machine. Determination of tap drill size.
6. Safety precautions to be observed in a sheet metal workshop, sheet and sizes, Commercial sizes and various types of metal sheets, coated sheets and their uses as per BIS specifications. Shearing machine- description, parts and uses.
7. Stakes-bench types, parts, their uses. Various types of metal joints, their selection and application, tolerance for various joints, their selection& application. Wired edges.
8. Solder and soldering: Introduction-types of solder and flux. Composition of various types of solders and their heating media of soldering iron. Method of soldering, selection and application-joints. Hard solder, types and method of brazing.
9. Various rivets shape and form of heads, importance of correct head size. Rivets-Tin man's rivets types, sizes, and selection for various works. Riveting tools, dolly snaps description and uses. Method of riveting, spacing of rivets. Flash riveting, use of correct tools, compare hot and cold riveting.
10. Safety-importance of safety and general precautions observed in a welding shop. Precautions in electric and gas welding. (Before, during, after) Introduction to safety equipment and their uses. Machines and accessories, welding transformer, welding generators.
11. Welding hand tools: Hammers, welding description, types and uses, description, principle, method of operating, carbon dioxide welding. H.P. welding equipment: description, principle, method of operating L.P. welding equipment: description, principle, method of operating. Types of Joints- 28 FITTER Butt and fillet as per BIS SP: 46-1988 specifications. Gases and gas cylinder description, kinds, main difference and uses.
12. Drill- material, types, (Taper shank, straight shank) parts and sizes. Drill angle-cutting angle for different materials, cutting speed feed. R.P.M. for different materials. Drill holding devices- material, construction and their uses.
13. Counter sink, counter bore and spot facing-tools and nomenclature, Reamer material, types (Hand and machine reamer), kinds, parts and their uses, determining hole size (or reaming), Reaming procedure. Screw threads: terminology, parts, types and their uses. Screw pitch gauge: material parts and uses. Taps British standard (B.S.W., B.S.F., B.A. & B.S.P.) and metric /BIS (coarse and fine) material, parts (shank body, flute, cutting edge).
14. Tap wrench: material, parts, types (solid &adjustable types) and their uses removal of broken tap, studs (tap stud extractor). Dies: British standard, metric and BIS standard, material, parts, types, Method of using dies. Die stock: material, parts and uses.
15. Grinding wheel: Abrasive, grade structures, bond, specification, use, mounting and dressing. Selection of grinding wheels. Bench grinder parts and use.
16. Interchange ability: Necessity in Engg, field definition, BIS. Definition, types of limit, terminology of limits and fits, basic size, actual size, deviation, high and low limit, zero line, tolerance zone Different standard systems of fits and limits. British standard system, BIS system.
17. Lathe cutting tools, Nomenclature of single point & multipoint cutting tools, Tool selection based on different requirements and necessity of correct grinding, solid and tipped, throw away type tools, cutting speed and feed and comparison for H.S.S., carbide tools. Use of coolants and lubricants.

18. Screw thread definition – uses and application. Square, worm, buttress, acme (nonstandard-screw threads), Principle of cutting screw thread in centre lathe – principle of chasing the screw thread – use of centre gauge, setting tool for cutting internal and external threads, use of screw pitch gauge for checking the screw thread.
19. Introduction to Engineering Drawing and Drawing Instruments – • Conventions • Sizes and layout of drawing sheets • Title Block, its position and content • Drawing Instrument Lines- Types and applications in drawing Free hand drawing of – • Geometrical figures and blocks with dimension • Transferring measurement from the given object to the freehand sketches. • Free hand drawing of hand tools and measuring tools. Drawing of Geometrical figures: • Angle, Triangle, Circle, Rectangle, Square, Parallelogram • Lettering & Numbering – Single Stroke. Dimensioning • Types of arrowhead • Leader line with text • Position of dimensioning (Unidirectional, Aligned) Symbolic representation • Different symbols used in the related trades. Concept and reading of Drawing in • Concept of axes plane and quadrant • Concept of Orthographic and Isometric projections • Method of first angle and third angle projections.
20. Screws: material, designation, specifications, Property classes (e.g. 9.8 on screw head), Tools for tightening/ loosening of screw or bolts, Torque wrench, screw joint calculation uses. Power tools: its constructional features, uses & maintenance.
21. Special files: types (pillar, Dread naught, Barrow, warding) description & their uses, Application of slip gauges for measuring, Sine Bar-Principle, application & specification. Procedure to check adherence to specification and quality standards.
22. Metallurgical and metal working processes such as Heat treatment, various heat treatment methods - normalizing, annealing, hardening and tempering, purpose of each method, tempering colour chart.
23. The various coatings used to protect metals, protection coat by heat and electrical deposit treatments. Treatments to provide a pleasing finish such as chromium silver plating, nickel plating and galvanizing
24. Bearing-Introduction, classification (Journal and Thrust), Description of each, ball bearing: Single row, double row, description of each, and advantages of double row
25. Aluminum and its alloys. Uses, advantages and disadvantages, weight and strength as compared with steel. Non-ferrous metals such as brass, phosphor bronze, gunmetal, copper, aluminum etc. Their composition and purposes, where and why used, advantages for specific purposes, surface wearing properties of bronze and brass
26. Foundation bolt: types (Lewis cotter bolt) description of each erection tools, pulley block, crowbar, spirit level, Plumb bob, wire rope, manila rope, wooden block. The use of lifting appliances, extractor presses and their use. Practical method of obtaining mechanical advantage. The slings and handling of heavy machinery, special precautions in the removal and replacement of heavy parts

7. Post Code: MILL, Trade/Area: MACHINIST - 05 posts [OBC – 01, SC – 01, EWS – 01, UR – 02]**ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-**

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500050	HEERA LAL CHOUDHARY	SC	Shortlisted
2.	230500059	MOHIT KUMAR	SC	Shortlisted
3.	230500065	AAKASH	SC	Shortlisted
4.	230500070	KOTNI HEMA KUMAR	OBC	Shortlisted
5.	230500075	K ANIL	ST	Shortlisted
6.	230500131	MOHIT AHIRWAR	SC	Shortlisted
7.	230500167	SHUBHAM KUMAR	SC	Shortlisted
8.	230500187	PRANAY RAJHANS MOTGHARE	SC	Shortlisted
9.	230500231	SANGHAPAL BHAGWAN GADLING	SC	Shortlisted
10.	230500279	ABHAY KUMAR	SC	Shortlisted
11.	230500367	SIKANDAR KUMAR	ST	Shortlisted
12.	230500403	ASWINKRISHNA S	OBC	Shortlisted
13.	230500448	SOBHIT KUMAR	SC	Shortlisted
14.	230500681	GOUTAM MONDAL	SC	Shortlisted
15.	230500764	RAHUL BISWAS	SC	Shortlisted
16.	230500850	OMENDRA VERMA	SC	Shortlisted
17.	230500941	LINJUS XALXO	UR	Shortlisted
18.	230500949	LOKESH	UR	Shortlisted
19.	230501109	VISHAL BHARVAL	SC	Shortlisted
20.	230501224	PALLELA KALYAN RAOJI	SC	Shortlisted
21.	230501245	AFTAB	UR	Shortlisted
22.	230501249	AMIT KUMAR MAURYA	OBC	Shortlisted
23.	230501308	NIHARIKA BARMAN	OBC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
24.	230501400	SRI AMIT KUMAR	SC	Shortlisted
25.	230501458	BARDANI	SC	Shortlisted
26.	230501577	SONAM DILIP GOKHALE	OBC	Shortlisted
27.	230501604	ASHISH SINGH RANA	ST	Shortlisted
28.	230501641	AYUSH KUMAR VERMA	SC	Shortlisted
29.	230501669	MONU	UR	Shortlisted
30.	230501713	SIDDHARTH PRABHAKAR BODADE	SC	Shortlisted
31.	230501800	RAHUL DINESH NARWADE	SC	Shortlisted
32.	230501809	RACHIT KUMAR SEN	OBC	Shortlisted
33.	230501821	BARIAL BASKEY	ST	Shortlisted
34.	230501822	KOTNI HEMA KUMAR	OBC	Shortlisted
35.	230501837	NANDESHWAR ATUL CHUNWANTRAO	SC	Shortlisted
36.	230501908	AYUSH GUPTA	EWS	Shortlisted
37.	230501921	DILIP SHAKYA	SC	Shortlisted
38.	230501940	DEEPAK VISHWAKARMA	OBC	Shortlisted
39.	230501946	BHUNESHWAR HEMBRAM	ST	Shortlisted
40.	230502118	PATEL MIHIRKUMAR HASMUKHBHAI	EWS	Shortlisted
41.	230502127	NISHANT TYAGI	UR	Shortlisted
42.	230502148	DHANKUMAR PATASKER	OBC	Shortlisted
43.	230502161	SAHIL	SC	Shortlisted
44.	230502191	GAUTAM KUMAR	SC	Shortlisted
45.	230502323	MUKESH EKKA	ST	Shortlisted
46.	230502369	PINTU GAIN	SC	Shortlisted
47.	230502426	SACHIN KUMAR	SC	Shortlisted
48.	230502473	VARUNBALAN	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
49.	230502512	ASHIS KUMAR DAS	SC	Shortlisted
50.	230502513	ALOK MAHALIK	SC	Shortlisted
51.	230502514	HEMANANDA MOHANTA	OBC	Shortlisted
52.	230502566	NITISH KUMAR	SC	Shortlisted
53.	230502619	SUMIT BHASKAR	SC	Shortlisted
54.	230502664	KATHILA SATISH	OBC	Shortlisted
55.	230502669	SANJITH S	SC	Shortlisted
56.	230502675	VIKRAM SINGH	SC	Shortlisted
57.	230502730	ERIGILA MUTYALAYYA	SC	Shortlisted
58.	230502760	VILAS MOHBE	SC	Shortlisted
59.	230502771	KHILESH KUMAR	SC	Shortlisted
60.	230502783	SANDEEP KUMAR	OBC	Shortlisted
61.	230502785	ALOK RANJAN	EWS	Shortlisted
62.	230502814	AMIT KUMAR	SC	Shortlisted
63.	230502830	MANISH KUAMR PANDEY	EWS	Shortlisted
64.	230502870	RANJAN KUMAR	OBC	Shortlisted
65.	230502873	ISHU KUMAR	SC	Shortlisted
66.	230502875	VARUN DHAWAN	EWS	Shortlisted
67.	230502907	AMAN RABIDAS	SC	Shortlisted
68.	230502922	SANJEEV	OBC	Shortlisted
69.	230502934	SOURABH SINGHANIYA	OBC	Shortlisted
70.	230502972	GAURAV KUMAR	SC	Shortlisted
71.	230503061	PRABHASIS MANDAL	OBC	Shortlisted
72.	230503075	ANUJ KUMAR	OBC	Shortlisted for UR post as OBC certificate not attached

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
73.	230503090	AJEET KOTIYA	SC	Shortlisted
74.	230503092	BHULLA YADAV	OBC	Shortlisted
75.	230503213	SUSHIL KUMAR	OBC	Shortlisted
76.	230503246	YASHU	OBC	Shortlisted
77.	230503254	SUTIKSHAN PRATAP SINGH	EWS	Shortlisted
78.	230503256	JAYANTA SARKAR	SC	Shortlisted
79.	230503324	HEMANT KUMAR	ST	Shortlisted
80.	230503328	VIKRAM KUMAR	OBC	Shortlisted
81.	230503332	ARAVIND M	UR	Shortlisted
82.	230503333	PAPPU KUMAR	OBC	Shortlisted
83.	230503359	SHIV SHANKER SINGH	EWS	Shortlisted
84.	230503363	ANGAD KUMAR	SC	Shortlisted
85.	230503435	AMAN RAJ	OBC	Shortlisted
86.	230503448	RAMKISHOR MEENA	ST	Shortlisted
87.	230503536	KALA CHAND SOREN	ST	Shortlisted
88.	230503540	ARJUN SHAKY	SC	Shortlisted
89.	230503626	GURPREET SINGH	SC	Shortlisted
90.	230503658	MANJEET SINGH	SC	Shortlisted
91.	230503725	PUTTURU ADARSH	OBC	Shortlisted
92.	230503760	PRASHANT RAGHUVANSHI	OBC	Shortlisted
93.	230503772	ATUL RANJAN	OBC	Shortlisted
94.	230503801	AMAN SUNIL FULZELE	SC	Shortlisted
95.	230503825	SHUBHAM KUMAR MEHTA	OBC	Shortlisted
96.	230503867	ASHWIN AMARKANTH WANKHEDE	SC	Shortlisted
97.	230503888	RAJENDRA MEENA	OBC	Shortlisted
98.	230503913	DISHA SONI	OBC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
99.	230503918	RAHUL KUMAR	OBC	Shortlisted
100.	230503981	LATA RAJAK	OBC	Shortlisted
101.	230504008	KUNAL BUDHARAJ UMRIKAR	SC	Shortlisted
102.	230504044	JAYRAM KUMAR	OBC	Shortlisted
103.	230504060	MONU YADAV	OBC	Shortlisted
104.	230504082	HARI RAM MEENA	ST	Shortlisted
105.	230504122	RAHUL	EWS	Shortlisted
106.	230504190	GULSHAN KUMAR	SC	Shortlisted
107.	230504284	LADE VAIBHAO RAMESH	SC	Shortlisted
108.	230504317	ADITYA VERMA	OBC	Shortlisted
109.	230504338	RAJIB GHOSH	OBC	Shortlisted
110.	230504343	PANKAJ VERMA	SC	Shortlisted
111.	230504350	SAURABH KUMAR	SC	Shortlisted
112.	230504355	RAHUL RAJ	OBC	Shortlisted
113.	230504365	SUNIL KUMAR PRAJAPATI	SC	Shortlisted
114.	230504376	NIKHIL DNYANESHWAR ITANKAR	OBC	Shortlisted
115.	230504390	ANKIT SALVE	SC	Shortlisted
116.	230504400	SALVE SANKET DHRUPAT	SC	Shortlisted
117.	230504415	MAHESH TEKAM	ST	Shortlisted
118.	230504426	BIRJU	UR	Shortlisted
119.	230504432	PUDI SRINIVASARAO	OBC	Shortlisted
120.	230504454	PRAVIN WAGADRE	OBC	Shortlisted
121.	230504580	SANJEEV KUMAR	SC	Shortlisted
122.	230504635	RAMANANDA SADHUKHAN	OBC	Shortlisted
123.	230504640	OM PRAKASH	UR	Shortlisted
124.	230504708	GAUTAM SARKAR	SC	Shortlisted

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125.	230504711	JITENDRA SINGH CHAUHAN	EWS	Shortlisted
126.	230504715	DRISYA A	OBC	Shortlisted
127.	230504718	PRATIK PRALHAD WARKHADE	OBC	Shortlisted
128.	230504728	SUNIL KUMAR NAGELE	SC	Shortlisted
129.	230504794	GOPAL PAUL	UR	Shortlisted
130.	230504804	GOPAL PAUL	UR	Shortlisted
131.	230504921	AJIT PAL	OBC	Shortlisted
132.	230504980	LOKESH KUMAR MALVIYA	SC	Shortlisted
133.	230505007	BISWAJIT DAS	SC	Shortlisted
134.	230505045	BHARTI YADAV	OBC	Shortlisted
135.	230505053	VIVEKANAND NISHAD	OBC	Shortlisted
136.	230505060	ANIRBAN SARKAR	SC	Shortlisted
137.	230505082	OMKAR WAGADRE	OBC	Shortlisted
138.	230505089	DIVYA VERMA	OBC	Shortlisted
139.	230505126	KALIPRASAD MISHRA	EWS	Shortlisted
140.	230505163	BISWAKSEN PANDA	EWS	Shortlisted
141.	230505202	AMIT KUMAR	OBC	Shortlisted
142.	230505234	AJESH BABU B	OBC	Shortlisted
143.	230505257	VIVEK KUMAR BOHTEY	SC	Shortlisted
144.	230505269	M V VISHNU	UR	Shortlisted
145.	230505297	ABHISHEK	OBC	Shortlisted
146.	230505302	VENKATESAN E	OBC	Shortlisted
147.	230505303	JAY PRAKASH YADAV	OBC	Shortlisted
148.	230505344	PINTU PRAJAPATI	OBC	Shortlisted
149.	230505349	POLA VAMSHIPRAKASH	OBC	Shortlisted
150.	230505300	VIDESH RAMTEKE	SC	Shortlisted

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151.	230505350	SURISSETTY POORNA CHANDRA RAO	OBC	Shortlisted
152.	230505416	HITENDR	SC	Shortlisted
153.	230505458	RAJAT KUMAR	OBC	Shortlisted
154.	230505485	JASVIR	SC	Shortlisted
155.	230505488	SENTY	OBC	Shortlisted
156.	230505495	PANKAJ KUMAR YADAV	OBC	Shortlisted
157.	230505505	PRITAM KUMAR	OBC	Shortlisted
158.	230505555	GUPTA ABHISHEK BRIJESH	OBC	Shortlisted
159.	230505601	JIPSON	UR	Shortlisted
160.	230505608	GOKUL KRISHNA S	OBC	Shortlisted
161.	230505609	SHARUKH	OBC	Shortlisted
162.	230505625	TANMOY MAJHI	UR	Shortlisted
163.	230505637	AJAY KUMAR	OBC	Shortlisted
164.	230505638	ASHOK KUMAR	SC	Shortlisted
165.	230505663	NARENDRA	OBC	Shortlisted
166.	230505685	AMAN DHAKAD	OBC	Shortlisted
167.	230505719	HARISH V A	OBC	Shortlisted
168.	230505732	PADMALOCHAN SAHOO	OBC	Shortlisted
169.	230505751	NEHA	SC	Shortlisted
170.	230505770	GURUDEEP K	OBC	Shortlisted
171.	230505775	RISHABH SHUKLA	EWS	Shortlisted
172.	230505796	TAPAS KUMAR SAHOO	OBC	Shortlisted
173.	230505799	AJIT KUMAR BENIA	EWS	Shortlisted
174.	230505824	PRAKASH CHAR	UR	Shortlisted
175.	230505873	ATUL KUMAR	UR	Shortlisted

MILL - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500193	MUKESH MAIDA	ST	R-3
2.	230500299	MOKSHADUL ISLAM	UR	R-3
3.	230500341	ARUP RATAN MANDAL	SC	R-11
4.	230500360	MAHENDRA HONHAGA	ST	R-5, R-7
5.	230500445	DHARAVATH NAGARAJU	ST	R-5
6.	230500664	SANDEEP KUMAR	SC	R-3
7.	230500701	OMPRAKASH MEENA	ST	R-5
8.	230500735	AVHISHAK HELA	SC	R-3
9.	230500974	KAPIL KUMAR	SC	R-5, R-11
10.	230501175	MADAN MOHAN RAVI	SC	R-3
11.	230501449	RUSHIKESH SACHIN KAMBLE	SC	R-11
12.	230501678	RAVINDRA PRATAP SINGH	SC	R-5, R-11
13.	230501735	GAURAV JAMBOLKAR	SC	R-5,R-11,R-7
14.	230502083	ASHISH KUJUR	ST	R-3
15.	230502278	SATHISH KUMAR M	SC	R-5, R-11
16.	230502441	AKASH KUMAR MATHUR	SC	R-5
17.	230502492	RAJESH KUMAR	SC	R-5, R-11
18.	230502582	AJAY SAKAT	SC	R-3
19.	230503425	SANKET RAMESH MORE	SC	R-11
20.	230503465	DEEPAK KUMAR	SC	R-3
21.	230503466	ANANDA PRASAD GOND	ST	R-3
22.	230503594	SOYAL SONKER	SC	R-5
23.	230503778	SINGAPURAM YADAGIRI	OBC	R-8
24.	230503810	JAISWAR RIKAS SIDHARI	SC	R-5, R-11

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
25.	230503871	GHARMANSHU BHANOT	UR	R-5
26.	230504024	PRAVEEN M	SC	R-3
27.	230504067	SUTAPA BISWAS	SC	R-3
28.	230504231	MANISH PAL	SC	R-3
29.	230504307	ANKUSH	SC	R-5, R-11
30.	230504419	HITESH	SC	R-3
31.	230504439	MANOJ KUMAR	SC	R-11
32.	230504463	JITENDER	SC	R-11
33.	230504735	GAGANDEEP SAINI	OBC	R-3
34.	230504737	VIDYASAGAR RAW	OBC	R-3
35.	230504754	KAMLESH SINGH	OBC	R-3
36.	230504991	DINESH P	OBC	R-8
37.	230505206	NISHANT KUMAR	SC	R-11
38.	230505489	GURPREET SINGH	SC	R-11
39.	230505578	JANU MADAAN	EWS	R-3
40.	230505584	KHANDEKAR GANESH GORAKH	SC	R-5, R-7

TRADE TEST:

1. Set the different machining parameters and cutters to prepare job by performing different milling operation and indexing. [Different machining parameters – feed, speed and depth of cut. Different milling operations – plain, face, angular, form, slotting, drilling, Rack, Spur Gear, External Spline, Steel Rule, Clutch, Helical Gear]
2. Re-sharpen different single & multipoint cutting tool. [Different single point tools, slab milling cutter, side & face milling cutter, end mill cutter and shell end mill cutter.]
3. Produce components by different operations and check accuracy using appropriate measuring instruments. Appropriate Measuring Instrument – Vernier, Screw Gauge, Micrometer
4. Make different fit of components for assembling as per required tolerance observing principle of interchangeability and check for functionality. [Different Fit – Sliding, Angular, Step fit, 'T' fit, Square fit and Profile fit]

Paper-III of Written Test

1. Linear measurements- its units, steel rule dividers, callipers – types and uses, Punch – types and uses. Uses of different types of hammers. Description, use and care of marking off table
2. Bench vice construction, types, uses, care & maintenance, vice clamps, hacksaw frames and blades, specification, description, types and their uses, method of using hacksaws. Files- elements, types, specification and their uses. Methods of filing. Care and maintenance of files. Measuring standards (English, Metric Units)
3. Milling Machine: Introduction types, parts, construction and specification. Driving and feed mechanism of Milling Machine
4. Different types of milling cutters & their use. Cutter nomenclature, Different milling operations - plain, face, angular, form, slot, gang and straddle milling etc. Up and down milling, Different types of milling attachments and their uses.
5. Drill, Tap, Die-types & application. Determination of tap drill size. Basic terminology related to screw thread. Reamer- material, types (Hand and machine reamer), parts and their uses, determining hole size for reaming, Reaming procedure. Vernier height gauge: construction, graduations, vernier setting & reading. Drilling machines-types & their application, construction of Pillar & Radial drilling machine. Countersunk, counter bore and spot facing-tools and nomenclature. Cutting Speed, feed, depth of cut and Drilling time calculations.
6. Interchangeability: Necessity in Engg., field, Limit- Definition, types, terminology of limits and fits-basic size, actual size, deviation, high and low limit, zero-line, tolerance zone, allowances. Different standard systems of fits and limits. (British standard system & BIS system), Vernier calliper-its parts, principle, reading, uses & care. Outside micrometer- its parts, principle, reading, uses, Reading of Vernier Micrometer), care & maintenance. Dial test indicator-its parts, types, construction and uses
7. Slotter– Classification, principle, construction, Safety precaution. Introduction and their indexing process on a Slotter by its Rotary table graduations. Driving mechanisms, quick return motion and speed ratio. Safety points to be observed while working on a Slotter.
8. Job holding devices-vice, clamps, V-block, parallel block etc. Slotting tools- types, tool angles, Spline – types and uses. Jigs and Fixtures– Introduction, principle, types, use, advantages & disadvantages

9. Coolant & lubricant – Introduction, types, properties, application & applying methods
10. Properties of metals general idea of physical, mechanical properties of metals, colour, weight, hardness toughness, malleability, ductility their effect on machinability. Heat Treatment – Introduction, necessity, types, Purposes, different methods of Heat Treatment. Heat Treatment of Plain Carbon Steel.
11. Screw thread major/ minor diameter, pitch and lead of the screw, depth of thread. Simple gear train and compound gear train change gears for fractional pitches. Square thread and its form and calculation of depth, core dia, pitch dia. Difference between single and multi-start threads- their uses, merits and demerit
12. Gauges – different types and their uses, difference between Gauges and Measuring Instruments. Gear introduction, use and type. Elements of a spur gear. Gear tooth of each forms types, merits and demerits of each
13. Vertical Milling Machine- its parts. Method of boring in Vertical milling. Difference between Horizontal and Vertical Milling Machine. Reamer – types, elements and uses.
14. Calculations for cutting Reamer. Twist drill-nomenclature, cutter selection. Calculations for cutting twist drill.
15. CNC technology basics, Comparison between CNC and conventional lathes. Concepts of positioning accuracy, repeatability, Programming – sequence, formats, different codes and words. ISO G codes and M codes for CNC turning, .CNC technology basics, Comparison between CNC VMC and conventional milling, machines. Concepts of positioning accuracy, repeatability. CNC VMC machine elements and their functions - bed, chuck, Auto tool changer (ATC), ball screws, guide ways, LM guides, coolant system, hydraulic system, chip conveyor, rotary table, pallet changer, console, spindle motor and drive, axes motors, encoders, control switches. Feedback, CNC interpolation, open and close loop control systems
16. Lubricating system-types and importance.
17. Tool wear, tool life, relative effect of each cutting parameter on tool life

8. Post Code: DFT-01, Trade/Area: Draftsman (Mechanical) - 04 posts [OBC – 01, SC – 01, EWS – 01, UR – 01]**1. ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-**

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500166	ASHOK KUMAR	SC	Shortlisted
2.	230500204	MUNISH KUMAR	SC	Shortlisted
3.	230500255	HAPPY	OBC	Shortlisted
4.	230500320	MANTU KUMAR	SC	Shortlisted
5.	230500431	SANDEEP KUMAR KAUSHAL	SC	Shortlisted
6.	230500598	PAVAN KUMAR	SC	Shortlisted
7.	230500649	VAISHNAVI SANJIV KHEDKAR	OBC	Shortlisted
8.	230500802	AKASH SINGH	SC	Shortlisted
9.	230500996	DIPAK SUDHIR BIJEWAR	OBC	Shortlisted
10.	230501032	DINESH GAUTAM	SC	Shortlisted
11.	230501061	SHIVA	SC	Shortlisted
12.	230501158	KHUSHBOO GUPTA	OBC	Shortlisted
13.	230501297	MUSKAN SAYYED	UR	Shortlisted
14.	230501375	RISHIKESH PRADEEP GADPAYALE	SC	Shortlisted
15.	230501423	SHIV BABU	SC	Shortlisted
16.	230501618	BIPIN KUMAR SINGH	OBC	Shortlisted
17.	230501666	SHUBHAM CHAUDHARY	SC	Shortlisted
18.	230501677	ALKA BHARDWAJ	OBC	Shortlisted
19.	230501736	ANJALI PATEL	OBC	Shortlisted
20.	230501762	SALONI PANDEY	UR	Shortlisted
21.	230501765	SUKHDYAL SINGH	SC	Shortlisted
22.	230501918	ASHISH VISHVNATH DHANGARE	OBC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
23.	230501935	ANOOP KUMAR PANDIR	SC	Shortlisted
24.	230502028	PAVAN KUMAR	OBC	Shortlisted
25.	230502425	PRAVEEN PRABHAKAR KAMBLE	SC	Shortlisted
26.	230502788	AZAD	SC	Shortlisted
27.	230502846	ASHISH GAUTAM	SC	Shortlisted
28.	230502894	PANKAJ KUMAR	SC	Shortlisted
29.	230502897	MUKESH	OBC	Shortlisted
30.	230503182	SHILPA T C	SC	Shortlisted
31.	230503183	SUROJIT PRAMANIK	SC	Shortlisted
32.	230503207	SANYAM RANI	SC	Shortlisted
33.	230503221	SHIVAM	SC	Shortlisted
34.	230503231	ROSHANI SHRIVASTAVA	EWS	Shortlisted
35.	230503234	SASHANK	SC	Shortlisted
36.	230503407	VINIL KUMAR	SC	Shortlisted
37.	230503415	DAHAT ABHISHEK KRUSHNNA	SC	Shortlisted
38.	230503444	ASHISH KUMAR GUPTA	OBC	Shortlisted
39.	230503507	AJAY KUMAR	SC	Shortlisted
40.	230503708	SUBHAM GAUTAM GANVIR	SC	Shortlisted
41.	230504076	BHAKTIPADA PARIDA	OBC	Shortlisted
42.	230504097	NEDURU DURGA PRASAD	SC	Shortlisted
43.	230504153	V ARAVIND	OBC	Shortlisted
44.	230504171	INGALE SACHIN SURESH	SC	Shortlisted
45.	230504282	VIPUL GANPATI BHIWAPURKAR	UR	Shortlisted
46.	230504301	SATYAM MISHRA	EWS	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
47.	230504378	AJAY KUMAR	SC	Shortlisted
48.	230504452	ANKUR TYAGI	EWS	Shortlisted
49.	230504471	ROHIT	SC	Shortlisted
50.	230504617	SONU KUMAR GAUTAM	SC	Shortlisted
51.	230504761	BHARADE USHA BHAGAWANRAO	SC	Shortlisted
52.	230504806	MOHIT SHUKLA	UR	Shortlisted
53.	230504962	PAWAN SAHU	OBC	Shortlisted
54.	230505253	SHIVAM	EWS	Shortlisted
55.	230505286	SAURABH SHUKLA	EWS	Shortlisted
56.	230505341	ABHISHEK KUMAR	SC	Shortlisted
57.	230505400	MD FAKHRUDDIN ALI AHMAD	OBC	Shortlisted
58.	230505418	PRIYANSHU SAHU	OBC	Shortlisted
59.	230505461	AMIT KUMAR	OBC	Shortlisted
60.	230505508	VIVEK THAKUR	OBC	Shortlisted
61.	230505581	RAHUL KUMAR	OBC	Shortlisted
62.	230505714	NAVEEN	OBC	Shortlisted
63.	230505731	NITESH KUMAR	OBC	Shortlisted
64.	230505818	PANKAJ	UR	Shortlisted
65.	230505837	ARYA R PRASAD	OBC	Shortlisted
66.	230505879	ROHIT RANOLIYA	OBC	Shortlisted

DFT - 01 - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500022	SHOKIN	OBC	R-5
2.	230500106	KAVI ANAND ARYA	OBC	R-8
3.	230500452	SUBHASH CHAND	SC	R-5
4.	230500595	BIKASH MURMU	ST	R-3
5.	230500962	CHARAN SINGH	SC	R-3
6.	230500965	SATISH KUMAR VERMA	ST	R-5, R-7
7.	230501994	RAJANISH SHARMA	OBC	R-3
8.	230502162	MRINMOY KOLEY	SC	R-5,R-11
9.	230502452	VIJAY SAINI	OBC	R-3
10.	230502599	LOMATE DEVA ASHOK	SC	R-3
11.	230502665	PUNEET MANGLA	UR	R-3
12.	230502880	GHARMANSHU BHANOT	UR	R-3
13.	230502952	CHHOTAN DAS	SC	R-3
14.	230503076	ARPIT HARINKHEDE	OBC	R-3
15.	230503200	MANSI	SC	R-3
16.	230503225	MAN SINGH	SC	R-3
17.	230503550	TEST TEST	UR	TEST TEST
18.	230503568	MUDE HEMANTH NAIK	ST	R-3
19.	230503574	NIKESH KUMAR	SC	R-1
20.	230503618	MIKESH T K	OBC	R-8
21.	230503700	BRAJESH KUMAR	OBC	R-7
22.	230503717	SANJAY SINGH	SC	R-5,R-7
23.	230503890	SANDEEP KUMAR	SC	R-3
24.	230504206	CHHOTU	SC	R-5
25.	230504613	ANAND KUMAR	EWS	R-5,R-8

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
26.	230504614	ABHISHEK PRATAP	SC	R-5
27.	230504835	BARSARANI DAS	SC	R-3
28.	230505390	GOPINATH DAS	OBC	R-7
29.	230505567	SHINE SIMON	OBC	R-8
30.	230505786	ARUMUGANAINAR	SC	R-1, R-5,R-7
31.	230505857	SANJEEV S	OBC	R-8

TRADE TEST:

1. Construction of different Geometrical figures using drawing Instruments.
2. Draw orthographic Projections giving proper dimensioning with title block and heading using appropriate line type and scale.
3. Draw Sectional views showing orthographic projections.
4. Develop surface and interpenetration of solid in orthographic projection.
5. Draw isometric projection from orthographic views (and vice-versa) and draw oblique projection from orthographic views.
6. Draw and indicate the specification of different types of fasteners, welds and locking devices
7. Construct different types of gears, couplings and bearings with tolerance dimension and indicating surface finish symbol.
8. Perform computer application and Create 2D and 3D objects on CAD drawing space. Construct projection views of geometrical figures with dimension and annotation on CAD in model space and viewport in layout space, Draw in CAD detail and assembly drawing of machine parts viz., Pulleys, Pipe fittings, Gears and Cams applying range of cognitive and practical skills.
9. Prepare drawing of machine part by measuring with gauges and measuring instruments.

Paper-III of Written Test

1. Nomenclature, description and use of drawing instruments & various equipments used in drawing office.
2. Lay out and designation of a drawing sheet, Recommended scale of engineering drawing, Types of Lines and their application. Folding of prints for filing Cabinets or binding
3. Type of lettering proportion and spacing of letters and words
4. Definition of ellipse, parabola, hyperbola, different methods of their construction. Definition & method of drawing involutes cycloid curves, helix & spiral
5. Terminology – feature, functional feature, functional dimension, datum dimension, principles. Units of dimensioning, System of dimensioning, Method of dimensioning & common features
6. Methods of obtaining orthographic view. Position of the object, selection of the views, three views of drawing. Planes and their normal projections.
7. Orthographic projection. First angle and third angle projection. Principal of orthographic projection. Projection of solids like prism, cones, pyramids and their frustums
8. Knowledge of different types of scales, scale of cords, their appropriate uses, Principle of R.F, diagonal & Vernier
9. Knowledge of solid section. Types of sectional views & their uses. Cutting plane and its representation. Parts not shown in section. Conventional signs, symbols, abbreviations & hatching for different materials. Solution of problems to find out the true shape of surfaces when solids are cut by different cutting planes

10. Definition of development, its need in industry & different method of developing the surfaces. Development of surfaces bounded by plane of revolution intersecting each other. Development of an oblique cone with elliptical base
11. Principle of isometric projection and Isometric drawing. Methods of isometric projection and dimensioning. Isometric scale. Difference between Isometric drawing & Isometric projection; Principles of making orthographic views from isometric drawing. Selection of views for construction of orthographic drawings for clear description of the object
12. Screw threads, terms nomenclature, types of screw thread, proportion and their uses, threads as per conventions. Types of bolts, nuts and studs, and their proportion, uses. Different types of locking devices. Different types of machine screws, cap screws, set screws as per specification. Different types of foundation bolts and their uses
13. Description of Welded Joints and their representation (Actual and Symbolic) Indication of Welding Symbol on drawing
14. Different types of keys (Heavy duty and Light duty) cotters, splined shaft, pins and circlips. Calculation of sizes and proportions of keys
15. Pipe Joints: selection of materials as per carrying fluid and conditions. Description of different pipe joints fitted on pipe. Expansion joint, loop and other pipe fittings
16. Types of rivets, their size proportions and uses. Types of riveted joints, terms and proportions of riveted joints. Conventional representation. Relation between rivet size and thickness of plates and calculation for arrangement of rivets position. Causes of failure of riveted joint efficiency of riveted joints.
17. Description and application of simple measuring tools. Description of vices, hammers, cold chisel, files, drills, etc.- proper method of using them. Method of using precision measuring instrument. Maintaining sequence of operation in fitting shop and safety precaution
18. Limits, fit, tolerance. Toleranced dimensioning, geometrical tolerance. Indications of symbols for machining and surface finishes on drawing(grades and micron values) Production of interchangeable parts, geometrical tolerance
19. Gears and gear drives- uses, types, nomenclature and tooth profiles
20. Introduction to CAD Advantages of using CAD, CAD main Menu, screen menu, command line, model space, layout space. Drawing layouts, Tool bars, File creation, Save, Open existing drawings, creation of Drawing Sheet, Absolute Co-ordinate system , Polar Co-ordinate System and Relative Co-ordinate System Create Line, Break, Erase, Undo, Trim, Offset, Fillet, Chamfer, Arc and Circle under modify commands. Move, Copy, Array, Insert Block, Make Block, Scale, Rotate, Hatch Commands, Format dimension style, creating new dimension style, Modifying styles in dimensioning. Writing text on dimension line and on leader. Edit text dimension
21. Drawing of Line, polyline, ray, polygon, circle, rectangle, arc, ellipse using different options
22. 3D modeling, 3D primitives (viz. box, sphere, cylinder, mesh and poly-solids), solid figure by extrude, revolve, sweep and loft command, solid editing: fillet, offset, taper, shell and slice command. Setting of User co-ordinate Systems, Rotating, Print preview and Plotting
23. Knowledge of various parts of press tools and their function. Knowledge of different moulding processes. Introduction to Die casting, gating system design, force calculation, defects and remedies and estimation
24. AutoCAD Inventor / 3D Modeling

9. Post Code: DFT-02, Trade/Area: Draftsman (Civil) - 01 posts [UR – 01]**1. ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-**

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500095	VINAY KUMAR	UR	Shortlisted
2.	230500578	TANVI SHARAD PAGARE	SC	Shortlisted
3.	230501976	ISHAN SHARMA	UR	Shortlisted
4.	230502372	ASHISH	UR	Shortlisted
5.	230502451	KARAN KUMAR	SC	Shortlisted
6.	230502728	SHIVANI	SC	Shortlisted
7.	230502866	PRERNA YADAV	OBC	Shortlisted
8.	230503035	LAKSHMANAN R	SC	Shortlisted
9.	230503114	ADARSH YADAV	OBC	Shortlisted
10.	230503317	SAURABH KUMAR	SC	Shortlisted
11.	230503416	ROHIT NAGLE	SC	Shortlisted
12.	230503478	MUKUL RAO	SC	Shortlisted
13.	230503630	PANKAJ	SC	Shortlisted
14.	230503842	VIKAS MAURYA	UR	Shortlisted
15.	230504023	PINKY KUMARI	SC	Shortlisted
16.	230504071	KAVITA	UR	Shortlisted
17.	230504337	MEENAKSHI SHARMA	UR	Shortlisted
18.	230504368	ASHWINI V	SC	Shortlisted
19.	230504405	NARENDER KUMAR	UR	Shortlisted
20.	230504915	ANOOP KUMAR BHARATI	SC	Shortlisted
21.	230504942	SANTOSH KUMAR	SC	Shortlisted
22.	230505086	PINKI	SC	Shortlisted
23.	230505092	ESLAVATH VIJAY	ST	Shortlisted
24.	230505149	ARJUN KUMAR	UR	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
25.	230505387	HARMINDER SINGH	SC	Shortlisted
26.	230505623	VINAY KUMAR	UR	Shortlisted

DFT - 02 - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500083	VEER SINGH MEENA	ST	R-3, R-5
2.	230500250	JEETANAND	SC	R-1
3.	230500421	THAKUR ESLAVATH	ST	R-1
4.	230500658	ANAKARLA OBULESU	SC	R-1, R-3
5.	230500752	VIVEK VAISHYA	SC	R-1
6.	230500951	RAVI KUMAR	SC	R-1
7.	230501168	PINTU MURMU	ST	R-1
8.	230501190	RAMOD KUMAR	SC	R-3
9.	230502008	KULDEEP PANDAY	UR	R-5
10.	230502291	AYUSH SHARMA	UR	R-3
11.	230502524	GOLLA CHAITANYA	SC	R-1
12.	230503169	SUNIL KATHAT	OBC	R-3
13.	230503305	SANJU	EWS	R-1
14.	230503307	JINNET RANI	OBC	R-1
15.	230503509	LAKSHMISRI SINHA	UR	R-3
16.	230503692	SATNAM SINGH	SC	R-1
17.	230503850	DEVENDER	SC	R-3
18.	230504881	ATHIRA CHANDRAN	OBC	R-3
19.	230505754	RACHITA GARG	UR	R-3
20.	230505767	SURINDER SINGH	OBC	R-1

Post Code: DFT - 02 - Syllabus for Trade Test and Paper-III of Written Test

Trade Test

1. Draw freehand sketches of hand tools used in civil work following safety precautions.
2. Draw plane figures applying drawing instruments with proper layout and the method of folding drawing sheets.
3. Draw orthographic projections of different objects with proper lines, lettering and dimensioning
4. Draw Isometric / Oblique / Perspective views of different solid / hollow / cut sections with proper lines, lettering and dimensioning.
5. Draw component parts of a single storied residential building with suitable symbols and scales.
6. Draw different types of stone and brick masonry.
7. Draw different types of shallow and deep foundation.
8. Draw different types of shoring, scaffolding, underpinning, framework and timbering.
9. Draw different types of Damp proofing in different position.
10. Draw different types of doors and windows according to manner of construction, Arrangement of component, and working operation.
11. Perform site survey with chain / tape and prepare site plan.
12. Prepare the detailed drawing of electrical wiring system.
13. Draw types of ground and upper floors.
14. Draw different types of vertical movement according to shape, location, materials in stair, lift, ramp and escalator.
15. Draw different types of roofs, truss according to shape, construction, purpose and span.
16. Create objects on CAD workspace using Toolbars, Commands, Menus, formatting layer and style.
17. Draw a sanction plan of double storied flat roof residential building by using CAD.
18. Create objects on 3D modeling concept in CAD.
19. Prepare a drawing of public building detailing with roof and columns by frame structures using CAD.
20. Prepare detailed drawing of RCC structures using CAD and prepare bar bending schedule.
21. Draw the details of a framed structure and portal frame of a residential building using CAD.
22. Draw the different types of steel sections, rivets and bolts using CAD.
23. Draw the details of girders, roof trusses and steel stanchions using CAD.

PAPER -III Written test

- 1) Importance of safety and general precautions observed in the industry/shop floor. All necessary guidance to be provided to the new comers to become familiar with the working of Industrial Training Institute system including stores procedures. Soft Skills: its importance and Job area after completion of training. Introduction of First aid. Introduction of PPEs. Introduction to 5S concept& its application. Response to emergencies e.g.; power failure, fire alarm, etc. about rules and regulations of the Institute and Trade.
- 2) List of the Instruments, equipments and materials to be used during training, Importance of B.I.S.
- 3) Introduction of Code for practice of Architectural and Building Drawings
- 4) Layout of drawing. Lines, Lettering, Dimensioning.
- 5) Knowledge of different types of scale. Principle of R.F.

- 6) Materials: Stones :—characteristics, types & uses. Bricks —. Manufacturing, characteristics of good bricks, types, uses and hollow bricks. Lime— characteristics, types, manufacturing & its uses. Pozzolanic :- characteristics, types & uses. Cement :— Manufacturing, characteristics, types, uses and test of good cement.
- 7) Different types of projection views: Orthographic, Isometric, Oblique and Perspective.
- 8) Building:- Principle of planning ,Objectives & importance, Function& responsibility, Orientation, Local building Bye-Laws as per ISI code, Lay out plan & key plan, Submitted in composition of drawing, Provisions for safety, Requirement of green belt and land.
- 9) Computer aided drafting:- Operating system ,Hardware& software., Introduction of CAD ,Its Graphical User Interface, Method of Installation, Basic commands of CAD, Knowledge of Tool icons and set of Toolbars, Knowledge of shortcut keyboard commands.
- 10) Building Planning:- Economy & orientation, Provision for lighting and ventilation, Provision for drainage and sanitation, Types of building, Planning & designing of residential , public and commercial building.
- 11) Prefabricated Structure:- Preparation, Method of construction, assembling, Advantages & disadvantages.
- 12) 3D modeling concept in CAD : 3D coordinate systems to aid in the construction of 3D objects , Knowledge of shortcut keyboard commands.
- 13) Concepts of design of earthquake resisting buildings- requirements resistance , safety, flexible building elements, special requirements, base isolation techniques.
- 14) Reinforced cement concrete structure:- Introduction to RCC uses, Materials – proportions, Form work, Bar bending details as per IS Code, Reinforced brick work.
- 15) Materials used for RCC:- Construction, Selection of materials – coarse aggregate, fine aggregate, cement water and reinforcement. , Method of mixing concrete – machine mixing and hand mixing, Slump test. Structure – columns, beams, slabs - one-way slab & two-way slab, Innovative construction, Safety against earthquake, Grade of cement, steel-behaviour and test, Bar-bending schedule, Retaining wall, R.C.C. Framed structure.
- 16) Steel structures:- Common forms of steel sections, Structural fasteners , Joints, Tension & compression member, Classification, fabrication, Construction details.
- 17) Roads:- History of highway development, General principles of alignment, Classification and construction of different types of roads, Component parts, Road curves, gradient, Curves-types, designation of curves, Setting out simple curve by successive bisection from long chords, simple curve by offsets from long chords, Road drainage system.
- 18) Estimating and Costing :- Purpose and common techniques, Drawing of construction, Measurement techniques, Estimate-necessity, importance, types-approximate and detailed estimate-main and sub estimates, revised, supplementary, maintenance / repair estimate-taking off quantities- method ,Rate analysis of typical items and their specifications, Labour and materials. ,Govt. Schedule of rate, estimating of irregular boundaries by trapezoidal and Simpsons formula.
- 19) Total Station:- Components parts, accessories used, characteristics, features, advantages and disadvantages, principle of EDM, Working and need, Setting and measurement, Electronic, display Data reading, Rectangular and polar co-ordinate system, Terminology of open and closed traverse.
- 20) GPS (Global Positioning System):- Introduction of GPS system, Co- ordinate and time system, Satellite and conventional geodetic system, GPS. Signal, code, and biases , Role of TRANSIT in GPS development, GPS survey methods. Basic geodetic co-ordinate, Ground support equipment, signals, Tracking devices& system, Time measurement and GPS timing.

10. Post Code: WELD, Trade/Area: Welding - 01 posts [OBC- 01]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500021	VISHAL KUMAR	OBC	Shortlisted
2.	230500260	ABHISHEK SINGH	OBC	Shortlisted
3.	230500332	VASIF	OBC	Shortlisted
4.	230500526	MANOJ KISAN DEVANGAN	OBC	Shortlisted
5.	230501676	DIVYANSHU SAHU	OBC	Shortlisted
6.	230501801	MOHIT KUMAR	OBC	Shortlisted
7.	230501907	SANOJ SHARMA	OBC	Shortlisted
8.	230502287	NOUFALRIYAS B	OBC	Shortlisted
9.	230502335	ROHIT RAWAT	OBC	Shortlisted
10.	230502362	MAHESH KUMAR	OBC	Shortlisted
11.	230502376	GUTTE RAVIKANT MADHUKAR	OBC	Shortlisted
12.	230502632	AMIT RAJ	OBC	Shortlisted
13.	230502647	SATPAL SINGH	OBC	Shortlisted
14.	230502877	NARESH BIND	OBC	Shortlisted
15.	230502997	PRAHALLAD PRAMANIK	OBC	Shortlisted
16.	230503136	GAURAV	OBC	Shortlisted
17.	230503175	BAJRANG	OBC	Shortlisted
18.	230503261	RAJU KUMAR	OBC	Shortlisted
19.	230503788	MAHESH RAMKRUSHNA HEDAU	OBC	Shortlisted
20.	230503807	KULDEEP CHAND	OBC	Shortlisted
21.	230503882	PRABHAT RATHAUR	OBC	Shortlisted
22.	230503951	HEMRAJ SAINI	OBC	Shortlisted
23.	230504079	MD HASANUZZAMAN	OBC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
24.	230504132	RAMBEER	OBC	Shortlisted
25.	230504140	UJJWAL DEBNATH	OBC	Shortlisted
26.	230504448	NAVEEN KUMAR SINGH	OBC	Shortlisted
27.	230504558	LEO MICHAEL	OBC	Shortlisted
28.	230504563	RAHUL M S	OBC	Shortlisted
29.	230504772	JIJIN RAJ PANAKKALATH	OBC	Shortlisted
30.	230504931	MRITUNJAY KUMHAR	OBC	Shortlisted
31.	230505220	ANKUSH YADAV	OBC	Shortlisted
32.	230505230	VHARKATE VAIBHAV VASANT	OBC	Shortlisted
33.	230505325	SANAT KUMAR PATEL	OBC	Shortlisted
34.	230505437	PRADEEP	OBC	Shortlisted
35.	230505446	LALU NAYAK	OBC	Shortlisted
36.	230505474	KARAMJEET SINGH	OBC	Shortlisted
37.	230505521	AKSHAY KUMAR	OBC	Shortlisted
38.	230505529	MOHAN LAL SAINI	OBC	Shortlisted
39.	230505591	AMIT KUMAR	OBC	Shortlisted
40.	230505616	ROHIT SHAW	OBC	Shortlisted
41.	230505688	VIKASH KUMAR BASENE	OBC	Shortlisted
42.	230505697	SUMIT SHIVHARE	OBC	Shortlisted
43.	230505700	RIZWAN KHAN	OBC	Shortlisted
44.	230505738	RAJIB MONDAL	OBC	Shortlisted
45.	230505747	CHANDRAMANI MAURYA	OBC	Shortlisted
46.	230505800	SWATI RAIKWAR	OBC	Shortlisted
47.	230505830	JAGBIR	OBC	Shortlisted
48.	230505863	SANDEEP KUMAR	OBC	Shortlisted

WELD - आगामी कार्यवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500009	AMAN KUMAR	OBC	R-11
2.	230501488	SUMANT CHAUHAN	OBC	R-5
3.	230502086	AMAR CHAND FAGERIA	OBC	R-3
4.	230502102	AMAR CHAND FAGERIA	OBC	R-3
5.	230504248	SANJEEV KUMAR	OBC	R-5
6.	230504428	DEVENDER KUMAR	OBC	R-11
7.	230504652	PINKI PATEL	OBC	R-3 AND R-1
8.	230504683	MOHIT KUMAR	OBC	R-11
9.	230504734	ANUJ KUMAR	OBC	R-3
10.	230505162	SALMAN KHAN	OBC	R-3
11.	230505765	MOIN AHMAD QURESHI	OBC	R-11

Post Code: WELD - Syllabus for Trade Test and Paper-III of Written Test

TRADE TEST:

1. Perform joining of MS sheet by Gas welding in different positions following safety precautions.
2. Join MS plate by SMAW in different positions.
3. Perform straight, bevel & circular cutting on MS plate by Oxy-acetylene cutting process.
4. Perform different types of MS pipe joints by Gas welding (OAW).
5. Weld different types of MS pipe joints by SMAW.
6. Join Aluminium & Stainless Steel sheets by GTAW in different position.
7. Join MS sheets/ plates by GMAW in various positions using different modes of metal transfer.
8. Perform visual inspection / testing of welded joint.

Paper-III of Written Test

1. Introduction and definition of welding. Arc and Gas Welding Equipment, tools and accessories. Various Welding Processes and its applications. Arc and Gas Welding terms and definitions
2. Different process of metal joining methods: Bolting, riveting, soldering, brazing etc. Types of welding joints and its applications. Edge preparation and fit up for different thickness. Surface Cleaning
3. Basic electricity applicable to arc welding and related electrical terms & definitions. Heat and temperature and its terms related to welding. Principle of arc welding. And characteristics of arc
4. Common gases used for welding & cutting, flame temperatures and uses. Types of oxy-acetylene flames and uses. Oxy-Acetylene Cutting Equipment principle, parameters and application
5. Arc welding power sources: Transformer, Rectifier and Inverter type welding machines and its care & maintenance. Advantages and disadvantages of A.C. and D.C. welding machines.
6. Welding positions as per EN & ASME: flat, horizontal, vertical and overhead position. Weld slope and rotation. Welding symbols as per BIS & AWS
7. Arc length - types - effects of arc length. Polarity: Types and applications
8. Calcium carbide uses and hazards. Acetylene gas properties Acetylene gas and Flash back arrestor
9. Oxygen gas and its properties Charging process of oxygen and acetylene gases.
10. Oxygen and Dissolved Acetylene gas cylinders and Color coding for different gas cylinders. Single stage & double stage Gas regulators and uses
11. Arc blow - causes and methods of controlling. Distortion in arc & gas welding and methods employed to minimize distortion. Arc Welding defects, causes and Remedies
12. Specification of pipes, various types of pipe joints, pipe welding positions, and procedure. Difference between pipe welding and plate welding
13. Gas welding filler rods, specifications and sizes. Gas welding fluxes - types and functions. Gas Brazing & Soldering: principles, types fluxes & uses. Gas welding defects, causes and remedies
14. Electrode: types, functions of flux, coating factor, sizes of electrode.
15. Weldability of metals, importance of pre heating, post heating and maintenance of inter pass temperature.
16. Stainless steel: types- weld decay and weldability, Aluminum properties and weldability, welding methods. Arc cutting & gouging, Cast iron and its properties types. Welding methods of cast iron
17. Types of welding process Advantages & limitations, Various types of welding power sources. Welding parameters Different types of weld joints Gas welding principle and application Safety in welding and cutting.

18. Basic welding metallurgy (pre heating, post heating etc.) Welding symbol and its nomenclatures Effects of heat.
19. Principle of Shielded metal Arc welding (SMAW) Function of flux and baking requirements Selection of electrodes and coating factors Different type of edge preparation. Welding procedure - Edge preparation and fit up, use of backing strips and bars, root run welding and cover pass welding.
20. Introduction to GTAW welding, TIG welding equipments, Advantages of TIG welding process. Tungsten electrode, Types, sizes, and uses. Type of shielding gases Purging Methods Parameter setting.
21. GMAW welding process Power source & accessories Wire Feed unit
22. TIG, MIG welding
23. Types of Welding defects (Cracks, Inclusions, Incomplete penetration, Lack of fusion, Under cut, Burn through, Overlap etc.)
24. Nondestructive Testing of Metals. Visual inspection Dye penetrant test - Principles - Advantages -Limitations - Types of Penetrants - Cleaners -Dwelling time.

11. Post Code: GRIND, Trade/Area: Tool & Cutter Grinding - 01 posts [UR- 01]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500112	SONALI SAHU	OBC	Shortlisted
2.	230501268	ABHISHEK PANDEY	UR	Shortlisted
3.	230502254	BAPI HALDER	SC	Shortlisted
4.	230503767	MUKESH RAJPUT	UR	Shortlisted
5.	230503797	SHIV PUJAN	UR	Shortlisted
6.	230504409	PREM KISKU	ST	Shortlisted
7.	230504611	SUNIL KUMAR SHARMA	UR	Shortlisted
8.	230504793	SAWANT DIGAMBAR KRUSHNAT	EWS	Shortlisted
9.	230505059	MURLEEDHAR CHOUHAN	UR	Shortlisted
10.	230505087	SUKHPREET SINGH	SC	Shortlisted
11.	230505125	TARUN GAUTAM	SC	Shortlisted
12.	230505233	AKASH PRAJAPATI	UR	Shortlisted
13.	230505381	KM SUMAN MAURYA	OBC	Shortlisted
14.	230505417	TULSI KUMAR MAHATO	UR	Shortlisted
15.	230505441	KISHOR SURENDRA DAKLE	UR	Shortlisted
16.	230505464	RAJU KUMAR	OBC	Shortlisted
17.	230505494	VIKASH PARADKAR	UR	Shortlisted
18.	230505835	SAWANT DIGAMBAR KRUSHNAT	UR	Shortlisted

GRIND - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500240	RAHUL	SC	R-3
2.	230500524	SIDDHARTH	SC	R-11
3.	230500744	SANDEEP KUMAR	SC	R-1 AND R-3
4.	230501571	RAJ BALI	SC	R-11 AND R-3
5.	230501966	SIDDHARTH VIJAY KHILLARE	SC	R-1
6.	230502307	SACHIN LAKSHMAN PRADHAN	UR	R-1
7.	230502460	K G NARASAPPA	OBC	R-3
8.	230503147	ANIL KUMAR	OBC	R-1
9.	230503617	KISHAN	SC	R-3
10.	230504077	PAVAN KUMAR	UR	R-1 AND R-3
11.	230504135	BANOTH CHETHAN	ST	R-3
12.	230504295	VIJAY KUMAR JAISAWAL	OBC	R-1
13.	230504346	DEOWAN CHANDRA HANSDA	ST	R-1
14.	230504710	MAMNOON AHAMAD	OBC	R-3
15.	230504889	HULAS GANJHU	SC	R-1
16.	230504905	GHARMANSHU BHANOT	UR	R-3
17.	230505472	MAYUR CHAUDHARI	UR	R-3
18.	230505540	AJAY KUMAR	SC	R-1

TRADE TEST:

1. Grinding / Re-sharpening of various types of Tool and Cutters
2. Repair and maintenance of Tool & Cutter machines
3. Identification of various type of tools and cutters, machine attachments
4. Grinding of R.H & L.H tools, V tool, parting tool, round nose tool & 'V' tools
5. Mounting of grinding wheels, balancing of grinding wheels, dressing and truing of grinding wheels

Paper-III of Written Test

1. Grinding wheel abrasive, types, bond, grade, grid, structure, standard marking system of grinding wheel, selection of the grinding wheel
2. Dressing, types of dresser. Glazing and Loading of wheels – its causes and remedies, Wheel marking system selection of wheels. Specification and types (shapes & size) of grinding wheels, diamond wheels and their uses
3. Roughness values and their symbols, Importance and necessity of quality, Geometrical tolerances, definition, symbol and their application
4. Milling cutters and its nomenclature, drill types and various angles
5. Tool and cutter Grinder, Surface Grinder – Types, Parts, construction, use, methods, specification & safety, different types of tool rest & their application, Essential mechanism of grinding machines
6. Various methods of cutter grinding, cutter grinding attachments and their uses
7. Precision measuring instruments English and metric micrometer, Vernier caliper, dial test indicator etc. their description and uses. Knowledge of digital measuring instruments and its uses. Pneumatic gauges – its accessories and control device and use for checking dimensions, Types, properties and selection of coolants and lubricants
8. Cylindrical grinder: Parts, construction, types, specification, safety, different methods of cylindrical grinding
9. Wet grinding and dry grinding, various types of grinding wheels and their application, Grinding defects vibration, chattering, glazing and loading their causes and remedies
10. Carryout preventive maintenance of lubrication & other system of machines
11. Ferrous and nonferrous metal and their identification by different methods. Heat treatment of metals, its importance, various methods of heat treatment such as hardening, tempering, normalizing, annealing etc
12. Engineering Drawing and Drawing Instruments · Conventions · Sizes and layout of drawing sheets · Title Block, its position and content · Geometrical figures and blocks with dimension. · Lettering & Numbering · Concept of axes plane and quadrant · Concept of Orthographic and ISO metric projections · Method of first angle and third angle projections

12. Post Code: SMET, Trade/Area: Sheet Metal - 01 posts [UR- 01]**1. ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-**

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500163	NEELESH MEHRA	SC	Shortlisted
2.	230500543	SHYAMA TUDU	ST	Shortlisted
3.	230501009	V KUMAR BABU	SC	Shortlisted
4.	230502487	DHEERAJ NAYAK	OBC	Shortlisted
5.	230503024	JERRIPOTHULA ATCHUTARAO	OBC	Shortlisted
6.	230503116	ARUN KUMAR	UR	Shortlisted
7.	230503172	RAVINDRA KUMAR NAYAK	OBC	Shortlisted
8.	230503445	ANKIT MALIK	SC	Shortlisted
9.	230503472	OMKAR VISHNU BHARAMGUNDE	UR	Shortlisted
10.	230503849	ANUP PREMCHAND REWASKAR	SC	Shortlisted
11.	230504224	ADARI VASU	OBC	Shortlisted
12.	230504256	GANTLA MOULI	OBC	Shortlisted
13.	230504292	SHYAM SUNDAR MOHANTA	UR	Shortlisted
14.	230504641	MESHARAM RAMCHANDRA PARASRAM	UR	Shortlisted
15.	230504693	PARASH SINGH	UR	Shortlisted
16.	230504968	CHARANSING INGLE	UR	Shortlisted
17.	230505362	ARUN CHANDRAN C S	SC	Shortlisted
18.	230505858	PAWAN KUMAR	OBC	Shortlisted

SMET - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500147	ANIMESH KUMAR	SC	R-1
2.	230500395	SAHIL KUMAR	UR	R-3
3.	230500413	PARDEEP SINGH	SC	R-3
4.	230500485	ADITYA OMPRAKASH GHOGALE	SC	R-3
5.	230500654	PRAKASH RAJBANSHI	SC	R-3
6.	230500738	BOGAPURAM SASIKALA	OBC	R-5
7.	230500892	ROHIT	SC	R-3
8.	230501408	SHAHARE PRANAY LAVESH	SC	R-3 AND R-1
9.	230501824	PRADEEP KUMAR SHON	SC	R-3 AND R-1
10.	230501860	RAJENDRA KUMAR TURI	SC	R-3 AND R-1
11.	230502013	SUMIT BABULAL TAYADE	SC	R-1
12.	230502157	MANISH KUMAR	SC	R-11
13.	230502328	SATYAJEET SINGH	OBC	R-1
14.	230502742	ASHU	SC	R-3
15.	230502781	DUPPADA SANTOSH KUMAR	UR	R-1
16.	230502813	PRAFULLA VINOD SARDAR	SC	R-3
17.	230502957	ANANTHU DHARMARAJ	SC	R-5
18.	230504632	AJU KRISHNAN G	OBC	R-1
19.	230504898	GHARMANSHU BHANOT	UR	R-5
20.	230505288	RANTI SAHA	OBC	R3 AND R-1
21.	230505504	SUNDAR KUMAR	SC	R-3
22.	230505583	SONU	SC	R-1
23.	230505598	MITHU KUMAR NAYAK	OBC	R-3

Post Code: SMET - Syllabus for Trade Test and Paper-III of Written Test

TRADE TEST:

1. Produce component involving different operations of sheet metal work and check for functionality.
2. Mark, cut and make various joints.
3. Develop surface and mark metal sheet to make simple sheet metal components as per drawing.
4. Make components with riveted joint and check dimension of the product.
5. Demonstrate different types of hemming, wiring & sheet Metal Seams.
6. Identify various type of instruments, power presses, materials, rivets used in sheet metal work
7. Demonstrate soldering, brazing, welding on different types of sheets.
8. Demonstrate making of holes in sheet metal using punching & drill machine, grinding a drill bit

Paper-III of Written Test

1. Development of various type of shape, Development of drawing and layout simple pattern
2. Concept of shearing, punching, folding, bending etc
3. Various types of sheet metal tools ,equipment and accessories (Measuring, Marking, cutting & holding tools), Various types of hand snips and hand shears and their uses
4. Calculation of hemming & wiring allowance
5. Various types of machines used in sheet metal work (guillotine shears, circle cutting machine, bending machine, folding etc.), swaging and beading machine, its parts, operating principles
6. Sheet Metal Folded Joints, Sheet Metal Seam, Grooved seam, Locked Grooved seam, Pane down seam, Knocked up seam inside and outside, capstrip seam, pitsburg seam etc, Folding & joining allowances, edge stiffening, wiring allowances & false wiring
7. Pattern, Development, stretched out pattern, Master pattern (gross pattern) and templates
8. Development of surfaces by parallel line method, and radial line method, Development of surfaces: Triangulation method and geometrical construction methods
9. Solid and hollow punches as per BIS. Sizes of solid and hollow Punches and their uses. - Rivets and its parts, Selection of Rivet heads. Types of Rivet and their uses, Standard sizes of Rivets and Riveting Tools. Calculation for Riveting allowances (pitch and Lap)

10. Fastening of Sheet Metal: - Self tapping screws, Clips and Connectors; Their uses, Types and Allowance of 'S' Clips, Government Clips, Drive Clips, Mailing Clips etc.
11. Development & laying out pattern of Elbow pipe, T pipe and offset pipe
12. Protection-Coating, Cleaning and preparing of Sheet Metals Corrosion and anti-corrosion treatment of sheet metal. Method of galvanizing, tinning, anodising, sherardizing and Electroplating
13. Gas welding, Oxyacetylene plant and the equipment, accessories & tools
14. Arc welding, arc welding plant and the equipments, accessories & tools
15. Hand punch machine, Hand and Power operated drilling Machines. Drill Bits, parts and effects of cutting angles.
16. Drilling of sheet metals, effect of speed, Feed Cutting Fluids, etc. Difference between drilled and punched holes.
17. Use of Die and Die Holder, Description of taps and tap wrench.
18. Latest sheet metal cutting techniques: Plasma cutting, Laser cutting, etc, Latest sheet metal cutting techniques: water jet cutting and punching etc
19. Tools and equipment used in aluminium fabrication. - Assembly & Sub assembly: Gaurding assembly, Door assembly, Chassis assembly, Cabinet assembly, Power pack assembly etc
20. Process of painting. Spray painting. Etch primer painting, Ducts fabrication and Painting, Powder coating, buffing, grinding, and sanding, Selection of different grit sizes

13 - Post Code: CARP, Trade/Area: Carpentry - 01 posts [UR- 01]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230501028	SANJU	UR	Shortlisted
2.	230501088	LALIT KUMAR	UR	Shortlisted
3.	230501964	DHEERAJ NAYAK	OBC	Shortlisted
4.	230502738	SATNAM SINGH	OBC	Shortlisted
5.	230502849	BHAGWAN SINGH SAINI	OBC	Shortlisted
6.	230502883	ANIL	UR	Shortlisted
7.	230503047	RAMAN KUMAR	SC	Shortlisted
8.	230503052	NAR SINGH	OBC	Shortlisted
9.	230503342	ANKIT KUMAR SHARMA	OBC	Shortlisted
10.	230503406	BHIMTE ROSHAN SUBHASH	SC	Shortlisted
11.	230503690	SOORAJ KUMAR	UR	Shortlisted
12.	230503771	CHIKKALA ESWARAPRASAD	UR	Shortlisted
13.	230503834	YASHWANT KUMAR SHARMA	UR	Shortlisted
14.	230503902	ARUN KUMAR	OBC	Shortlisted
15.	230503962	VINOD JANGIR	OBC	Shortlisted
16.	230503967	SANGEETH P P	OBC	Shortlisted
17.	230503983	ANOOP	OBC	Shortlisted
18.	230504043	ROHIT	SC	Shortlisted
19.	230504072	BHARAT	UR	Shortlisted
20.	230504102	MADAGALA JAGADEESH	OBC	Shortlisted
21.	230504281	GAUTAM JATAV	SC	Shortlisted
22.	230504397	SARBJOT SINGH	OBC	Shortlisted
23.	230504601	JITENDRA BHATI	UR	Shortlisted
24.	230504612	AMIT	OBC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
25.	230504909	ABHISHEK	SC	Shortlisted
26.	230504981	SURESH BHATI	OBC	Shortlisted
27.	230505010	SUBHODEEP PRAMANICK	UR	Shortlisted
28.	230505074	PANKAJ KUMAR VISHVAKARMA	UR	Shortlisted
29.	230505267	SHIVAM DUBEY	UR	Shortlisted
30.	230505365	GURTEJ SINGH	UR	Shortlisted
31.	230505406	ANOOB	UR	Shortlisted
32.	230505607	MANJEET	UR	Shortlisted
33.	230505634	SANJAYA BEHERA	UR	Shortlisted

CARP - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500035	JAGTAR SINGH	OBC	R-3
2.	230500040	PARDEEP KUMAR	UR	R-1
3.	230500399	AAKASH KUMAR	SC	R-5, R-7
4.	230500455	HARWANSH KUMAR	SC	R-3
5.	230500800	UTTAM KUMAR	UR	R-3 AND R-1
6.	230500856	JASWANT SINGH	SC	R-5
7.	230500952	MENDA SUJATHA	OBC	R-1
8.	230501092	MAHENDRA MEENA	ST	R-1
9.	230501314	JAGTAR SINGH	OBC	R-3
10.	230501972	SITARAM BAIRWA	SC	R-3
11.	230502229	RAVI PRAKASH	SC	R-1
12.	230502231	LAVUDYA SURESH	ST	R-5,R-7
13.	230502255	MANAB SARKAR	SC	R-3
14.	230502339	ATTADIP SARNATH MESHRAM	SC	R-1
15.	230502359	SARATH LAL K P	SC	R-1
16.	230502390	SATYENDRA DEHARIYA	SC	R-3
17.	230502493	MAYANK	SC	R-3
18.	230502536	NIKHIL KUMAR	OBC	R-3
19.	230502666	NIRUPAMA TANDI	SC	R-3
20.	230502807	BANDANA YADAV	UR	R-1
21.	230503036	MANNEM SUDHEERBABU	SC	R-5, R-7
22.	230503128	RAHUL KUMAR SINGH	SC	R-3
23.	230503150	KANNALA NAVEEN	SC	R-1
24.	230503167	SHIV KUMAR	SC	R-3, R-5, R-7

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
25.	230503382	NEERAJ	SC	R-5, R-7
26.	230503689	SOURAV HALDER	SC	R-3
27.	230503703	HITESH KUMAR	SC	R-5, R-7
28.	230503774	MAHENRA KUMAR	SC	R-3
29.	230503915	RAVINDRA NATH NIRALA	SC	R-1
30.	230503941	NANCY CHOUDHARY	OBC	R-3
31.	230504179	JAGATPATI BOURI	SC	R-3
32.	230504262	VIJAY KUMAR SAINI	OBC	R-3
33.	230504286	DEEPAK	SC	R-3
34.	230504313	CHALLA KRISHNAM RAJU	OBC	R-5, R-7
35.	230504384	SWATI	OBC	R-3, R-5
36.	230504519	VIKAS	SC	R-3
37.	230504747	VENGADESAN K	OBC	R-1
38.	230505021	SHASHIKANTA NAIK	ST	R-3
39.	230505046	RAGHAVENDRA KUMAR	SC	R-3, R-1
40.	230505093	PANUGANTI SRINIVASULU	SC	R-3
41.	230505261	DHIRAJ FULICHAND PARDHI	OBC	R-1
42.	230505310	RATNADEEP VINODKUMAR KOLHATKAR	SC	R-1
43.	230505755	SONU	UR	R-3

Post Code: CARP - Syllabus for Trade Test and Paper-III of Written Test

TRADE TEST:

1. Make wooden job as per drawing, exact sizing by planning
2. Identify timber/wood, various measuring, marking, holding instrument and supporting hand Tools
3. Identify various saws and portable power saw machines for Ripping, cross cutting, Oblique sawing and curve cutting, various carving tools, shaving tools
4. Analyze the surface finish, sharpening of blades
5. Make various types of joints, prepare correct joint at correct position, related with strength and appearance
6. Preparation of Aluminium / glazing work, door and windows frame and shutters, assembling & fixing (wooden/ Aluminium or PVC)

Paper-III of Written Test

1. Introduction of timber, growth of timber trees, cross-section of exogenous tree trunk, types of tree, different part of a tree, Soft & hard wood, their differences
2. Defects in timber, diseases of timber, knots, shakes, grains etc.
3. Carpentry hand tools, classification and uses of marking, work holding devices, Measuring & testing tools, Type of bench vices and their uses, marking gauges, instruments necessary for checking flatness and twistness of surface, Striking tools.
4. Different saw and their uses, power circular saw, special saws, compass saw, coping saw, bow saw, fret saw. Saw sharpening and sharpening tools.
5. Boring tools - Types, Parts, functions, size and application. Portable electrical drill machine, Drill bits, types, sizes etc., Hand augers description, sizes of augers, application of hand augers
6. Type of planning machine and their uses in wood work - Description, function and its size, setting, knowledge of sharpening and uses etc., Sharpening and grinding angle of cutter.
7. Different type chisels - Definition, identification, their uses, Files - Types, uses, Care & maintenance of files
8. Seasoning and preservation of timber - advantage and disadvantages. Moisture content in timber and its effect on timber. Characteristics of wood, physical and mechanical properties of wood, Quality of good timber.
9. Classification of wooden joints and their Uses, Framing joint, angle joint and lengthening joint, housing joint, dovetail joint, Broadening joint, Method of Dowel application
10. Glues - Types of glue and their uses, Advantage of adhesives use and their types,

11. Types of plywood, Advantage of plywood, Application of plywood, block board, laminated board, hard board, insulation board, mica etc.
12. Parts of portable disc sander, Application of portable disc sander, Care & maintenance of sander
13. Calculation of timber required for making various parts like stool, bill of materials
14. Conversion and types, Parallel sawing, Radial sawing, Quarter sawing, Tangential sawing
15. Nails and screws types, Uses etc. Nut, bolts and washer - types and Uses · Lock hinges hasp and staple. Other fittings – types, sizes
16. Paints, ingredients of paints, Method of preparation of surface for staining. Necessary tools and equipment required for staining. Uses of different grade sand paper.
17. Description & method of French polish, wax polish
18. Types and parts of band saw machine, circular saw machine
19. Wood turning lathe – Description, Types, Sizes, Parts, Operation
20. Knowledge of different aluminium section, channels required for manufacturing the windows, doors, etc., Anodising of the aluminium section etc.
21. Removing old painting / polish by chemicals, new painting and priming on wood

14. Post Code:REF, Trade/Area: Refrigeration - 01 posts [UR- 01]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500013	BIJAY HALDAR	SC	Shortlisted
2.	230500097	MD GIAS ALI	UR	Shortlisted
3.	230500129	RAJKUMAR	SC	Shortlisted
4.	230500262	SUPRITI BANERJEE	UR	Shortlisted
5.	230500296	AGRASEN BAHADUR SINGH	UR	Shortlisted
6.	230500375	AMIT HAZRA	SC	Shortlisted
7.	230500380	SUBRAT OJHA	OBC	Shortlisted
8.	230500687	VIKKI MORYA	SC	Shortlisted
9.	230500759	ANUJ KUMAR	UR	Shortlisted
10.	230500982	AKASH GUPTA	UR	Shortlisted
11.	230501137	SHYAMAL DAS	SC	Shortlisted
12.	230501648	MAHENDRA KUMAR MEGHWAL	SC	Shortlisted
13.	230501861	ANUBHAV KUREEL	SC	Shortlisted
14.	230501947	SAHIL	SC	Shortlisted
15.	230501959	ANKU KUMAR SHARMA	OBC	Shortlisted
16.	230502580	JAYRAJ BAWALWA	SC	Shortlisted
17.	230502640	NARESH VERMA	SC	Shortlisted
18.	230502801	GURJEET SINGH	SC	Shortlisted
19.	230503043	AKASH	UR	Shortlisted
20.	230503361	ABHISHEK	UR	Shortlisted
21.	230503449	MAROOF KHAN	UR	Shortlisted
22.	230503633	NAYANKUMAR DEVANAKONDA	OBC	Shortlisted
23.	230503707	RAKESH R H	UR	Shortlisted
24.	230503930	AJAY	UR	Shortlisted
25.	230504125	PANKAJ	OBC	Shortlisted
26.	230504247	PRASHANT BHAGWAN NARWADE	SC	Shortlisted
27.	230504322	JEEVAJI RAO	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
28.	230504534	NARENDRA KUMAR	SC	Shortlisted
29.	230504629	CHANDRAKANTA MOHANTY	UR	Shortlisted
30.	230504758	DAAN SINGH	UR	Shortlisted
31.	230504799	SUMAN DAS	SC	Shortlisted
32.	230504919	OMPRAKASH SINGH	SC	Shortlisted
33.	230504929	AMAN DEEP	SC	Shortlisted
34.	230504935	AMIT KUMAR YADAV	UR	Shortlisted
35.	230504970	GOURAV VERMA	UR	Shortlisted
36.	230504997	BHARAT SAINI	OBC	Shortlisted
37.	230505036	SUJIT SARKAR	SC	Shortlisted
38.	230505038	ANU A	OBC	Shortlisted
39.	230505063	SACHIN	UR	Shortlisted
40.	230505123	CHINMAYA KHUNTIA	UR	Shortlisted
41.	230505312	SUNIL KUMAR	UR	Shortlisted
42.	230505354	KHUSHAL KAPOOR	OBC	Shortlisted
43.	230505358	AMAN KUSHWAHA	UR	Shortlisted
44.	230505370	WAJIR SINGH	OBC	Shortlisted
45.	230505393	MOHD ADIL	UR	Shortlisted
46.	230505448	AMIT KUMAR YADAV	UR	Shortlisted
47.	230505479	CHANCHAL SINGH SISODIYA	UR	Shortlisted
48.	230505594	SUJOY MALICK	SC	Shortlisted
49.	230505711	SANDEEP KUMAR	OBC	Shortlisted
50.	230505764	AMRITPAL SINGH	UR	Shortlisted
51.	230505813	DHANANJAY	UR	Shortlisted

REF - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230504169	TEST CSIO	UR	R-10
2.	230501475	PRAMOD WALAMBRAO JADHAV	EWS	R-1
3.	230501795	CHAVAN VIKRANT NANA	ST	R-1
4.	230502634	SATNAM	SC	R-1
5.	230502674	LOKESHNAIK M	SC	R-1
6.	230502923	ARRA VAMSHI	UR	R-1
7.	230503366	MRINMOY HALDER	SC	R-1
8.	230503404	BETWAR KIRAN RAJNDRA	OBC	R-1
9.	230504404	DILIP NILKANTH SHELARE	SC	R-1
10.	230505324	DURGA SHANKAR	OBC	R-1
11.	230505463	RAHUL KUMAR	SC	R-1
12.	230505587	JIBAN KUMAR MOHARANA	OBC	R-1
13.	230501617	DHARMENDRA KUMAR	OBC	R-1, R-3
14.	230500016	SUMESH KUMAR	UR	R-3
15.	230503268	MANISH KUMAR	UR	R-3
16.	230504136	GHARMANSHU BHANOT	UR	R-3
17.	230500032	YOGENDRA SINGH RATHORE	UR	R-3, R-5, R-7
18.	230500774	PAPAI SARKAR	SC	R-3
19.	230503988	JAMBUCHA NIKHIL	OBC	R-3
20.	230504424	ANIKET RAJESH PALGHAMOL	UR	R-5
21.	230505272	RAM LAKHAN GUPTA	OBC	R-5
22.	230503188	AMAN KUSHWAHA	UR	R-10

S. No.	TRADE TEST	PAPER III
1	Familiarization with workshop & machineries. Safety precautions. Familiarization of refrigeration tools, instruments & equipment. Care and maintenance of tool, instruments and equipment.	Introduction to trade, general safety precautions and first aids, history of Refrigeration and Air conditioning. Function, working, use, specifications of refrigeration tools, instruments and equipment.
2	FITTING Familiarization of tools, instruments and machines used in fitting. Marking/Layout practice as per Blue Print. Cutting, filling, drilling, grinding & Chipping by using hand tools and power tools. Filing flat, square & curved surfaces. Slots, grooves angular profile, Drilling clear and blind hole, Threading & Tapping, Counter sinking, counter boring, drill bit grinding and reaming. Use of Hand and Power drills.	FITTING Study the different types of Fitting hand tools, power tools, precision measuring instruments & their use. Equipment used in fittings like drilling machines, grinding machines, types, specifications and care and maintenance. Study the function, construction, working of fitting hand tools, precision measuring instruments & their use. Specification & their application.
3	SHEET METAL Familiarization of tools, instruments and machines used in sheet metal. Practice, Marking, measuring, cutting, bending, folding, riveting, joints, soldering in sheet metal.	SHEETMETAL Study the function, construction, working, use, and application, specification of Sheet metal tools, instruments and equipment. Care and maintenance of tools. Types of sheet metal joints and their use. Rivet & riveting- their types and use.

4	<p>ELECTRICAL</p> <p>Familiarization of Electrical tools.</p> <p>Wire joint practice, Soldering and Brazing practice. Verification of Ohm's law. Identification of phase and neutral of AC supply.</p> <p>Construction of a load circuit with single phase AC and DC supply. Measurement of Voltage, Current, Resistance, power, Frequency and energy consumed in an electrical circuit. Measurement of earth resistance. Insulation and continuity test.</p> <p>Construction of RL, RC and RLC circuits, measurement of electrical parameters and calculation of impedance and power factor. Construction of Star and Delta connection in three phase supply and measurement of Line voltage, Line current, Phase voltage and Phase current. Three phase power and power factor measurement.</p> <p>Familiarization with split phase AC motors and identification of the terminals. Identification of starting and running coil. Resistance measurements of windings.</p> <p>Familiarization with capacitor start induction runs motors and identification of the terminals. Identification of starting and running coil. Resistance measurements of windings. Familiarization of DOL starter and checking of its function. Starting of split phase motor through DOL starter, measurement of starting current and running current and changing of DOR. Starting of capacitor start induction run motor through DOL starter, measurement of starting current and running current and changing of DOR.</p> <p>Starting of capacitor start capacitor run motor through DOL starter, measurement of starting current and running current and changing of DOR. Starting of shaded pole motor through DOL starter, measurement of starting current and running current and changing of DOR. Fault rectifications.</p> <p>Insulation test on windings, continuity test, open circuit test and short circuit test.</p>	<p>ELECTRICAL</p> <p>Electrical terms such as AC and DC supply, Voltage, Current, Resistance, Power, Energy, Frequency etc. Safety precautions to be observed while working on electricity. Conductors and Insulators, Materials used as conductors.</p> <p>Measuring Instruments such as voltmeter, ammeter, ohm meter, watt meter, energy meter and frequency meter.</p> <p>Earthing and its importance. Earth resistance. Insulation and continuity test</p> <p>Inductors and capacitors. Effects of inductor and capacitors in an AC circuit. Inductive reactance, capacitive reactance, Impedance and power factor. Lagging and leading power factors.</p> <p>Single phase and Three phase supply system. Star and Delta connection and their comparison. Line voltage, Line current, Phase voltage and Phase current. Methods of improving power factor.</p> <p>AC motors and their types. Advantages of AC motor over DC motor. Revolving field theory. Phase splitting theory.</p> <p>Capacitor method and inductor method used to split the single phase. Torque – starting torque and running torque. Split phase induction motors, working principle and construction. Starting winding and running winding. Starting current and running current.</p> <p>Method of changing the direction of rotation (DOR).Capacitor starts induction run motor, working principle and construction. Centrifugal switch and its function.</p> <p>Starter and its necessity. DOL starter and the safety devices incorporated in it.</p> <p>Capacitor starts capacitor run motor, working principle and construction. Starting capacitor and running capacitor Shaded pole motors, working principle and construction. Torque comparison among various single phase AC motors.</p>
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		Common faults, causes and remedies in motors.
5	<p>ELECTRONICS</p> <p>Identification of Electronic components and tools & instruments, colour coding of resistors, verification of ohms law, use of voltmeter, ammeter, multi meter, Practice of soldering & desoldering.</p> <p>Identification of transistors, resistors, capacitors, diodes, S.C.R, U.J.T, I.Cs. used in refrigeration & AC.</p> <p>Full wave and bridge rectifier circuit, voltage regulators. Construction of low voltage Power Supply. Construction of transistor amplifier circuit.</p> <p>Multi-vibrator circuits and RC wave shaping circuits. Wiring of SCR, UJT for power control circuits, applications of OP-AMP, Applications of photo transistor.</p>	<p>ELECTRONICS</p> <p>Introduction to Electronics. Basic Principles of semiconductors, Principles and application of Diodes</p> <p>Rectification, Zener diode as voltage regulator – transistors parameters – CB, CE, CC, configuration, amplification.</p> <p>SCR</p> <p>Photo diodes, photo transistors, multi-vibrator, CR & LR circuit. SCRs, UJTs, ICs.</p>
6	<p>WELDING</p> <p>Identification of gas welding equipment & accessories, setting up of a) AIR-LPG, b) O2-LPG c) O2-C2H2.</p> <p>Familiarization with the practice of</p> <ol style="list-style-type: none"> 1) Oxy Acetylene Gas welding, brazing and cutting on thin sheet metal. 2) Safety in handling of Oxy Acetylene Cylinders, Regulators etc., <p>Welding tools and equipment care and safety. Setting oxy-acetylene plant, lighting and adjustment of flame-simple joint on M.S. Preparing close fitting lap joints for both soldering/ brazing cu to cu, cu to MS. Importance of wetting and capillary action. Use of appropriate torches, Nozzles, Types of flames and fluxes, Practice on Oxy Acetyl</p>	<p>WELDING</p> <p>Introduction to basic principles of commonly used Welding processes, Arc welding, oxy fuel gas welding / cutting, brazing & soldering.</p> <p>Welding tools and equipment type specification and use. Safety method in welding. Method of gas welding, gas used and flames adjustment.</p> <p>Difference between soldering and Brazing in terms of temperatures, filler materials, joint strengths and applications. Use of Oxy Acetylene, Oxy LPG and Air LPG for brazing/soldering.</p>

7	<p>BASIC REFRIGERATION</p> <p>Familiarization & use of general and special tools used in refrigeration work practice.</p> <p>Identification of various Refrigeration equipment, components of vapour compression system like compressor, condenser, expansion valve and evaporator etc.</p> <p>Working on soft copper tubing like, cutting, bending, flaring, swaging, pinching, brazing.</p> <p>Brazing of tube joints (Cu to Cu, Cu to Steel, Cu to Brass) using (i) Air-LPG, (ii) O2-LPG, (iii) O2-C2 H2 set up & use of the above gases with the right torches, Brazing Filler Rods.</p> <p>Distinguishing good joints from bad joints.</p>	<p>BASIC REFRIGERATION</p> <p>Study the function, working, use, specifications of refrigeration tools, instruments and equipment.</p> <p>Fundamentals of Refrigeration, units and measurements, Pressure & its Measurements. Thermodynamics law.</p> <p>Science related to refrigeration, work, power, energy, force, Heat and Temperature, Different temperature scales, Thermometers, Units of heat, sensible heat, latent heat, super heating and sub-cooling, saturation temperature, pressure, types, units.</p> <p>Types of Refrigeration systems, Ton of Refrigeration, Study the construction and working of vapor compression cycle, low side & high side of vapour compression system. Applications of vapour compression cycle.</p> <p>Construction and working of V.C Cycle, fundamental operations, sub cooling and super heating.</p>
8	<p>REFRIGERATOR (Single Door)</p> <p>Familiarization of electrical and mechanical components of refrigerator. Check and replace electrical components, leak test, evacuation, gas charging in refrigerator, wiring circuit of refrigerator, installation of refrigerator, faults and remedies in refrigerator.</p>	<p>REFRIGERATOR (Single Door)</p> <p>Function, construction, working of single door refrigerator, specifications, trouble shooting, care and maintenance.</p>

9	<p>REFRIGERATOR (SINGLE DOOR) Familiarization of electrical and mechanical components of single door refrigerator. Trouble shooting, Stripping accessories & cleaning / inspection and installing refrigerator, testing of components, Checking Door alignment & replacing of gaskets.</p> <p>Tracing the electrical and mechanical components of sealed refrigerator. Check and test relay, OLP, capacitor, windings, thermostat.</p> <p>Testing of compressor, Identification of motor terminals, Starting of compressor without relay & starting with Relay, testing OLP and other electric safety devices. Reassembly the components & Test performance. Cleaning, Flushing, replacing capillary and drier, fault rectification, install gauge manifold in the system, evacuation, leak testing, gas charging in Refrigerator. Check electrical wiring of refrigerator.</p>	<p>REFRIGERATOR (SINGLE DOOR) Study the construction & working of single door Refrigerator. Study the electrical components of refrigerator.</p> <p>Study the mechanical components of refrigerator and their types. Study the heat exchanger, door gaskets, Heat Insulation materials. Care and maintenance of refrigerator.</p> <p>Importance of flushing in evaporator and condenser, necessity of replacing capillary and drier. Evacuation, leak testing, gas charging method in refrigerator, Refrigerants used in Refrigerators and its properties.</p>
10	<p>FROST FREE REFRIGERATOR Tracing Electrical circuit, checking and testing of electrical accessories like, thermostat, Timer, Defrost Heaters, Bi-metal etc., checking air distribution system, servicing of refrigerator, testing of components. Test the performance of refrigerator.</p> <p>Identify three and four door no frost refrigerators, Stripping of components. Tracing electric circuit, Installation, testing components, evacuation, leak testing, gas charging, testing, fault finding, rectifications, evacuation and gas charging.</p>	<p>FROST FREE REFRIGERATOR Study the construction and working of Frost Free (2 or 3 door) Refrigerator parts particularly, the forced draft cooling, Air Duct circuit, temperature control in Freezer & cabinet of Refrigerator, the automatic defrost system. Study of Electrical accessories & their functions (Timer, Heater, Bi- Metal, Relay, OLP, T/S etc.,) Refrigerator cabinet volume calculation.</p> <p>Study the construction and its working of two and three door frost free refrigerator. Care and maintenance, installation method.</p>
11	<p>COMPRESSOR Dismantling of Hermetic compressors, Identification of components, Servicing, cutting gaskets, lapping and assembling of compressors used in refrigerators, window & split A.C, and assembling.</p> <p>Dismantling & assembling of Hermetic compressors like, reciprocating, rotary, wobble, swash plate & scroll type compressors. Identify the parts and rectify the defects</p>	<p>COMPRESSOR Function, construction, working, application of compressor like, Reciprocating, rotary, scroll type.</p> <p>Study the construction & working of centrifugal compressor, wobble & swash plate compressor. Compressor efficiency factors, wet compression, oil, properties, lubrication methods.</p>

12	<p>MOTORS Starting of compressor motor by RSIR, CSIR, PSC & CSR method. Check and test relay, capacitors & OLP's, Faults and rectification, installation. Familiarization with Squirrel cage induction motor and identification of terminals. Phase sequence test of SCIM. Starting of SCIM through DOL starter, measurement of starting current and running current and changing of DOR Starting of SCIM with Star – Delta starter and Auto Transformer starter. Familiarization with Slip ring induction motor and identification of terminals. Starting of SRIM through Rotor resistance starter, measurement of starting current and running current and changing of DOR. Fault rectifications. Insulation test on windings, continuity test, open circuit test and short circuit test.</p>	<p>MOTORS Motors used in refrigeration And Air conditioning system, types, construction, working & their starting methods. Function of Starting relay, Capacitors, OLP's. Production of rotating magnetic field by three phase AC supply. Working principle of three phase induction motor. Terms such as torque, slip, rotor frequency and their relation. Construction of squirrel cage induction motor. Importance of phase sequence. Construction of slip ring induction motor Comparison between SCIM and SRIM. Three phase motor starters such as DOL starter, Star – Delta starter, Auto transformer starter and Rotor resistance starter. Common faults, causes and remedies in three phase AC motors.</p>
13	<p>CONDENSER Familiarization with condensers used in Refrigerators, Bottle coolers, visible coolers, Deep freezer, window and Split A.C, Cleaning, Flushing and servicing of air cooled condenser, leak testing of condenser, De scaling of air cooled condenser.</p>	<p>CONDENSER Function of condenser, types, Construction of air cooled condenser. Effect of choked condenser. Advantages, de scaling of air cooled condenser. Types of air cooled condenser, application, and advantages. Liquid receiver, pump down, application, types, function and working.</p>
14	<p>DRIER Replacing drier & capillary tube, in refrigerator and window AC.</p>	<p>DRIER Function of drier, types, application and its advantage.</p>
15	<p>EXPANSION VALVE Install capillary tube, Test and adjust expansion valves.</p>	<p>EXPANSION VALVE Expansion valve used in domestic refrigeration and air conditioning systems. Capillaries, Automatic and Thermostatic Ex. Valves.</p>
16	<p>EVAPORATOR Servicing of evaporators in refrigerators, bottle cooler, water coolers, window and split A.C, Installation, Leak test, remove oil from evaporator, Flushing, Defrosting.</p>	<p>EVAPORATOR Working principle, Function, types of evaporators used in refrigerator, water coolers, bottle coolers, window and split A.C, Super heating in evaporators, Function of accumulator and types. Methods of defrosting, heat exchanger.</p>

17	<p>REFRIGERANT Identification of refrigerant cylinders, Identification of unknown refrigerants, Recovery & Transfer of refrigerant, Safe handling Cylinders and Valves, Leak testing, Evacuation, Charging refrigerants in Refrigerator.</p> <p>Hydrocarbons (HC) using sealed components.</p>	<p>REFRIGERANT Classification of refrigerants, Properties, Chemical name and formulas, HFC, CFC. Ozone rule, substitute of CFC, Montreal protocol & India's CFC/HCFC phase out schedules. Ozone rules 2000.</p> <p>Refrigerant leak detection methods, Substitute refrigerants in lieu of CFC ARE their properties & comparison with CFCs, HFCs and HCs.</p> <p>Retrofitting, Changes of components & practices while retrofitting CFC appliances with HC refrigerants. Properties of HCs</p>
18	<p>THERMAL INSULATION Filling insulation materials in refrigeration systems.</p>	<p>THERMAL INSULATION Function, types, thermodynamic properties of heat insulation materials used in refrigeration and Air Conditioning systems.</p>
19	<p>WINDOW AIR CONDITIONER Identify the electrical and mechanical components, servicing and maintenance, trouble shooting, installation, tracing wiring circuit, install gauge manifold in the system, evacuation, leak testing, and gas charging in window Air conditioner.</p>	<p>WINDOW Air conditioner. Their types, applications. Construction and working, care and maintenance, Study the construction and working of window A.C, Care and Routine maintenance, installation procedure.</p>
20	<p>SPLIT A.C Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, trouble shooting in split A.C.</p>	<p>SPLIT A.C Construction and working principle, types, trouble shooting & care and maintenance.</p>
21	<p>SPLIT A.C (Wall Mounted) Identifying various components, electrical circuits, testing components, fault detection, install gauge manifold in the system, leak testing, evacuation, gas charging, Installation, trouble shooting.</p>	<p>SPLIT A.C (Wall mounted) Construction and working principle, types, trouble shooting. Description of electrical components used in split A.C. Study the wiring circuit .</p>
22	<p>SPLIT A.C. (Floor & Ceiling Mounted) Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, trouble shooting.</p>	<p>SPLIT A.C (floor & Ceiling mounted) Construction and working principle, types, trouble shooting. Description of electrical components used in split A.C. Study the wiring circuit .</p>
23	<p>SPLIT A.C (Duct) Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, trouble shooting.</p>	<p>SPLIT A.C (Duct) Study of the Duct able split AC, its Construction and working principle, types, trouble shooting.</p> <p>Description of electrical components used in split A.C. Study the wiring circuit .</p>

24	MULTI SPLIT A.C Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, trouble shooting.	MULTI SPLIT A.C Study the construction and working, various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, trouble shooting.
25	CAR AIR CONDITIONING Identifying various components, electrical circuits, testing components, fault detection, install gauge manifold in the system, leak testing, evacuation, gas charging, Installation, trouble shooting, testing magnetic clutch, regular maintenance, compressor overhauling, condenser de scaling, add refrigerant.	CAR AIR CONDITIONING Study various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, trouble shooting, Magnetic clutch operation, freewheeling, care and maintenance.
26	COMMERCIAL COMPRESSOR Dismantling of Commercial type reciprocating compressor, centrifugal compressor, checking of components & accessories. Checking & servicing valve plate and piston assembly, lapping valve plate etc. Preparing gasket, check belt tension and replacing. Checking lubricating system, servicing oil pump, Checking and servicing of capacity control of the compressor Checking and servicing of bearing, shaft seal etc. Fitting and testing, cutting gasket, assembling of compressor, testing efficiency of compressor.	COMMERCIAL COMPRESSOR Function, types, Construction & working, applications of compressors used in commercial refrigeration. Volumetric efficiency, Capacity control, factor influencing volumetric efficiency. Compressor oil, types, properties, types of lubrication methods such as splash, forced feed. Study the Construction and working principle of Centrifugal and Screw compressor.
27	WATER COOLED CONDENSER Servicing of water cooled condenser & receiver. Checking leakage, Repairing and testing, Descaling of condenser. Servicing evaporative type condenser, checking, repairing and testing, Pump down of gas.	WATER COOLED CONDENSER Study the water cooled Condenser, its type and capacity, construction and working, descaling, application. Evaporative condenser- their function, construction and application. Liquid receiver, function. Drier, types and application.
28	COOLING TOWER Servicing of cooling tower & its, care and maintenance. Servicing of water circulating pumps, dismantling, repairing and assembling.	COOLING TOWER Cooling tower, types, Construction, capacity, advantage & disadvantages of different types of cooling tower. Efficiency, approach and Cooling tower range and De-scaling method, pump and fan used,

29	<p>EXPANSION VALVE Testing & Installation of thermostatic Ex. Valve. Internal & external equalizer connection, super heat adjustment in TXV. Automatic EX valve fitting & checking, High side, Low side float valves checking and fixing.</p>	<p>EXPANSION VALVE Expansion valve types and function, construction, working principle, & their advantage & disadvantages. TXV, AXV, Float valves, fixed and modulating orifice controls & electronic Ex. Valves. Selection of Ex. valves, and capillaries for various Refrigeration and Air Conditioning applications.</p>
30	<p>EVAPORATOR Servicing of extended surface forced air cooled evaporators. Servicing of Water/ brine chillers, check Defrost system, Oil removing. Servicing of suction-liquid Heat- exchanger</p>	<p>EVAPORATOR Function, types, Plate & Tube forced air DX evaporators. Types of Defrost system .Water/ Brine chillers. Types of brine used as secondary refrigerant. Accumulator, its function, suction-liquid Heat-exchanger, their function, construction, application & advantages</p>
31	<p>WATER COOLER Identify parts, Controls & accessories, electric circuit. Soldering of Cu tube on Stainless steel, trouble shooting of commonly faced problems like condenser fan failure, corrosion etc. install gauge manifold in the system, Leak testing, evacuation, Charging Refrigerant. Installation, Servicing & maintenance of water cooler.</p>	<p>WATER COOLER Study the refrigeration cycle of water cooler, types, construction & working, Capacity & applications. Study the electrical and mechanical components of storage type water cooler. Insulation material used in water cooler, refrigerant used in the system.</p>
32	<p>VISIBLE COOLER AND BOTTLE COOLER Checking & servicing of Visible cooler & Bottle cooler preventive maintenance & trouble shooting Retrofitting with Hydrocarbons or HFC- 134a, Checking wiring circuit, test components, replacing components, evacuation, gas charging, Installation, testing performance.</p>	<p>VISIBLE COOLER AND BOTTLE COOLER Visible cooler & bottle coolers. Description, Construction & working, Substituting R-12 with R-134a or Hydrocarbon, care and maintenance, testing electric components.</p>
33	<p>DEEP FREEZER Deep freezer Checking & servicing , preventive maintenance & trouble shooting Checking wiring circuit, test components, replacing components, install gauge manifold in the system, evacuation, gas charging, Installation, testing performance.</p>	<p>DEEP FREEZER Deep freezer description, Construction, working, specifications, function, care and maintenance, faults and remedies.</p>
34	<p>ICE CUBE MACHINE Checking & servicing of ice cube machine, preventive maintenance & trouble shooting. Trace the Electrical Circuit diagram. Dismantle the wiring & reconnect. Servicing</p>	<p>ICE CUBE MACHINE Ice cube machine description, Construction, working, reverse cycle functioning & Circuit diagram, installation method.</p>

	the unit involving Evacuation, leak testing & charging. Checking defrosting system.	
35	ICE CANDY PLANT Identify parts, Controls & accessories Specification, Checking ice candy plant temperature maintaining. Function of agitator, preparing Brine solution, trouble shooting, servicing, Checking wiring circuit, test & replace components, install gauge manifold in the system, leak testing, evacuation, gas charging, Installation, testing performance.	ICE CANDY PLANT Function, construction, working principle, Circuit diagram, capacity & types of compressor used. Brine composition to maintain required temperature. Operation, maintenance.
36	ICE PLANT Identify parts, Controls & Specification of Ice plant temperature maintaining., trouble shooting, servicing, Checking wiring circuit, test components, replacing components, evacuation, gas charging, Installation, testing performance, plant operation.	ICE CREAM PLANT Details about components of Ice plant their functioning, working principle, Circuit diagram, capacity & types of compressor used, temperature maintaining.
37	WALK IN COOLER & REACH IN CABINET Identify parts, Controls & accessories Specification of Walk in cooler & Reach in cabinet preventive maintenance & trouble shooting, Servicing of components, wiring circuit. Install gauge manifold in the system, leak testing, Evacuation, gas charging.	WALK IN COOLER & REACH IN CABINET Details about components, their functioning, working principle, Circuit diagram, capacity & types. Care and maintenance.
38	COLD STORAGE Identify parts, Controls & accessories Specification, Servicing of Cold storage plant. Operation of cold storage. Testing electrical controls, cooling system, mechanical components, add oil, add refrigerant, test leak, evacuation, gas charging, periodic maintenance. Installing compressor. Electrical wiring of the compressor and checking the wiring system of the plant. Cold storage pressure testing, evacuation, charging & performance testing of the unit. Cold storage plant operation and its maintenance.	COLD STORAGE Study of cold storage plant, parts, Construction, applications, controls & electrical diagram used in cold storage plant. Food preservation spoiling agents-controlling of spoiling agents, preservation by refrigeration system, maintaining temperature in different places. Types of cold storage and its details. Cold storage- type construction, capacity and specification. Use of vibration eliminator and shock absorber, Study the lay out and electric wiring of the storage plant. Mobile refrigeration in transport vehicles. Method of pressure testing, evacuation & charging to the system and testing efficiency. Cold storage plant operation, its common trouble & remedies. Deep freezing, freezing tunnel, blast freezer its function and working, its application.

39	<p>PSYCHROMETRY Find DBT, WBT, RH & other properties by using psychometric chart. Use of psychometer.</p> <p>Use of Anemometers for measuring Air flow, use of monometers, measuring air flow, pivot tube for air flow measurement.</p> <p>Servicing of Fans & blowers, motors, used in Air conditioning system.</p>	<p>Fundamentals of Central Air Conditioning, requirements of comfort A.C, study of psychometric terms, DBT, WBT, RH, enthalpy, dew point, and specific humidity.</p> <p>Types of Central air conditioning (Direct and indirect system) Construction, working, components, faults, care and maintenance.</p> <p>Description of blowers & fans, function and types, static and velocity pressure measurements.</p>
40	<p>DUCT Installation of ducts, construction of ducts, understanding Duct lay out drawings, selection of ducts, and insulation in ducts. Longitudinal and transverse joints.</p>	<p>DUCT Function, types, materials, duct designing, duct insulation, air distribution methods, air flow, AHU, fan, blower.</p>
41	<p>AIR FILTERS Servicing and maintenance of different filters, Installation of filter.</p>	<p>AIR FILTERS Function of air filters, types, construction, maintenance, effect of choked Air filter.</p>
42	<p>SPLIT A.C (Duct) Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, Trouble shooting.</p>	<p>SPLIT A.C (Duct) Study the Duct able split AC, its Construction and working principle, types, trouble shooting.</p>
43	<p>MULTI SPLIT A.C (Duct) Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, Trouble shooting.</p>	<p>MULTI SPLIT A.C (Duct) Study various mechanical and electrical components construction and working, electrical circuits, testing components, fault detection, trouble shooting.</p>
44	<p>PACKAGE A.C Identifying various components, electrical circuits, testing components, fault detection, install gauge manifold in the system, leak testing, evacuation, gas charging, Installation, Trouble shooting.</p> <p>Identifying various components, electrical circuits, testing components, fault detection, install gauge manifold in the system, leak testing, evacuation, gas charging, Installation, Trouble shooting.</p>	<p>PACKAGE A.C Study Package AC, types, construction and working principle, trouble shooting, and various applications. Duct system, AHU.</p> <p>Care and maintenance, installation method, capacity calculation.</p>
45	<p>SPLIT PACKAGE Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, Trouble shooting.</p>	<p>SPLIT PACKAGE Construction and working principle, types, Study various electrical and mechanical components, trouble shooting.</p>

46	<p>CENTRALISED/INDUSTRIAL AIRCONDITIONING. Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Trouble shooting, Servicing AHU. Check air flow, Check temperature & pressure, operation of plant, Decaling condenser and cooling tower.</p> <p>Pump down of gas, add oil to compressor, add gas in the system, trouble shoot and repair air conditioner. Check temperature and pressure controls.</p>	<p>CENTRALISED/INDUSTRIAL AIRCONDITIONING</p> <p>Construction and working principle, types, maintenance of Industrial Air-conditioning plant. Humidification and dehumidification methods. AHU.</p> <p>Temperature and pressure controls used in AC plant, its construction, working, safety devices, cooling towers, chilled piping lines,</p>
47	<p>DIRECT EX.SYSTEM</p> <p>Identifying various components, electrical circuits, testing components, fault detection, leak testing, evacuation, gas charging, Installation, Trouble shooting. Operation & Maintenance of Central AC plant.</p> <p>Check and test VRF system.</p>	<p>DIRECT EX.SYSTEM</p> <p>Understanding Direct expansion system. Operation & Preventive Maintenance Schedule of central AC plant.</p> <p>Details of VRF system.</p>
48	<p>INDIRECT/CHILLER SYSTEM</p> <p>Identifying various components, electrical circuits, testing components, fault detection, install gauge manifold in the system, leak testing, evacuation, gas charging, Installation, Trouble shooting.</p> <p>Chilled water piping and insulation. Servicing of FCU and water controls valves. Mixing dampers, bypass dampers checking.</p> <p>Servicing and trouble shooting of direct, indirect A.C Plant, erection of commercial type condensing unit, vibration eliminator, water proofing insulation.</p> <p>Check controls used in Packaged AC systems, trouble shooting.</p> <p>Installing compressor and other components, electrical wiring in central AC and checking HVAC</p>	<p>INDIRECT/CHILLER SYSTEM</p> <p>Understanding central station AHU and FCU, Air washers used in chilled water system, understanding lay out, modulating valves for temperature control. Expansion tanks.</p> <p>Study of Humidification & De-humidification. And Humidifier's & De-humidifier's.</p> <p>Construction and study of commercial A.C plant, package chiller, screw chiller, reciprocating chiller.</p> <p>Controls used in AC system, Electromechanical, pneumatic and electronic.</p> <p>Introduction to heat load calculation in AC building. Sensible & latent heat load. Basic of HVAC and its applications.</p>
49	<p>AUTOMOBILE AC (Car)</p> <p>Repair and maintenance of Car AC system, servicing, testing magnetic clutch operation, compressor overhauling, leak testing, evacuation, gas charging, oil charging, check air flow, measure temperature and pressure. Check solenoid valve. Testing wiring system.</p> <p>Studying / Execution of Repair and Preventive maintenance of different Commercial units at site</p>	<p>AUTOMOBILE AC</p> <p>Study the refrigeration cycle in automobile AC, Construction, working of car AC, Magnetic clutch operation, freewheeling. Effects of speed of engine. Trouble shooting in car A.C.</p> <p>Planning for Preventive maintenance and scheduling of maintenance activities in large AC and Refrigeration plant</p>

15. Post Code: COMP, Trade/Area: Computer - 03 posts [UR- 02, PwBD-HH – 01, Horizontal Reservation – Ex-Serviceman (01 post)]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500044	PARVEEN KUMAR	SC	Shortlisted
2.	230500212	SAJAN	SC	Shortlisted
3.	230500277	VISHAL KUMAR KHARWAR	ST	Shortlisted
4.	230500287	ARCHIT KUMAR	SC	Shortlisted
5.	230500315	OM GIRISH DHUMAL	UR	Shortlisted
6.	230500446	UTKARSH	SC	Shortlisted
7.	230500490	KARANVIR SINGH	SC	Shortlisted
8.	230500523	AARDRA V BABU	OBC	Shortlisted
9.	230500577	PARUL	UR	Shortlisted
10.	230500635	ARUN KUMAR	SC	Shortlisted
11.	230500644	RAVINDER KUMAR	SC	Shortlisted
12.	230500787	PALLAVI	SC	Shortlisted
13.	230500799	PARDEEP KUMAR	SC	Shortlisted
14.	230500810	KUMARI NISHU	UR	Shortlisted
15.	230500947	TANVI SHARMA	UR	Shortlisted
16.	230500969	OM NARAYAN	UR	Shortlisted
17.	230501023	KUSH KUMAR JAYANT	SC	Shortlisted
18.	230501026	SONAL	UR	Shortlisted
19.	230501041	PRIYA	OBC	Shortlisted
20.	230501064	ROHIT	UR	Shortlisted
21.	230501069	ANKITA PANDEY	EWS	Shortlisted
22.	230501130	DURGESH KUMAR	SC	Shortlisted
23.	230501166	SAMIR RAMKRUSHNA TEMBHURNE	SC	Shortlisted
24.	230501344	KAMINI KASHYAP	OBC	Shortlisted
25.	230501386	VIRENDER	SC	Shortlisted
26.	230501416	SONIA	UR	Shortlisted
27.	230501466	SHALLU DEVI	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
28.	230501482	ANKIT	OBC	Shortlisted
29.	230501629	DIPTI SACHAN	OBC	Shortlisted
30.	230501642	SAIKAT PAL	OBC	Shortlisted
31.	230501686	SHIVANGI	OBC	Shortlisted
32.	230501753	KAVYA P	UR	Shortlisted
33.	230501770	ANKIT KUSHWAHA	OBC	Shortlisted
34.	230501771	SONIYA RANI	SC	Shortlisted
35.	230501789	MOTGHARE ABHISHEK JAYPAL	SC	Shortlisted
36.	230501924	RAHUL SAINI	UR	Shortlisted
37.	230501941	SWETA PAL	OBC	Shortlisted
38.	230501944	SHRIOM DEHARIYA	SC	Shortlisted
39.	230501978	TARUN KASHYAP	UR	Shortlisted
40.	230501998	SUNIL KUMAR	SC	Shortlisted
41.	230502009	BITTU KUMAR	OBC	Shortlisted
42.	230502036	RAJESH KUMAR	SC	Shortlisted
43.	230502037	ACHAL SUNIL THAKARE	OBC	Shortlisted
44.	230502038	ANJALI SHARMA	UR	Shortlisted
45.	230502046	PUTTAM BHARATH BABU	OBC	Shortlisted
46.	230502055	RAMAN YADAV	UR	Shortlisted
47.	230502062	SANI SINGH	UR	Shortlisted
48.	230502114	NISHA DIXIT	EWS	Shortlisted
49.	230502131	MADGULA SHRAVAN KUMAR	SC	Shortlisted
50.	230502188	PRITI MONDAL	UR	Shortlisted
51.	230502192	PINKU	UR	Shortlisted
52.	230502204	RAHUL	SC	Shortlisted
53.	230502214	ANIL SAHU	OBC	Shortlisted
54.	230502252	RISHAV KOUNDAL	UR	Shortlisted
55.	230502263	POOJA	UR	Shortlisted
56.	230502325	KHUSHAL SHARMA	UR	Shortlisted
57.	230502330	RAVINDER KUMAR	SC	Shortlisted
58.	230502336	VEMULA SAI KUMAR	OBC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
59.	230502352	PRIYANKA	UR	Shortlisted
60.	230502355	CHINNA ESAKKI SURESH G	SC	Shortlisted
61.	230502388	HIMANSHU DEVGAN	OBC	Shortlisted
62.	230502409	ADITI KOLEY	UR	Shortlisted
63.	230502423	SAUMYA MISHRA	EWS	Shortlisted
64.	230502515	JYOTI	UR	Shortlisted
65.	230502546	ABHISHEK KUMAR	SC	Shortlisted
66.	230502571	NEERUDU PRAVEEN KUMAR	SC	Shortlisted
67.	230502575	SARVESH GROVER	UR	Shortlisted
68.	230502588	ABHISHEK INGOLE	SC	Shortlisted
69.	230502653	VIKAS SAHARE	SC	Shortlisted
70.	230502660	PRIYAMBADA PANDEY	UR	Shortlisted
71.	230502722	JADHAV HITESH SOPAN	UR	Shortlisted
72.	230502855	KULDEEP VERMA	SC	Shortlisted
73.	230502887	GIRJESH KUMAR	SC	Shortlisted
74.	230502919	SUHAS VIVEKANAND KULKARNI	UR	Shortlisted
75.	230502985	RAVI SINGH	UR	Shortlisted
76.	230503029	SANKET KUMAR	SC	Shortlisted
77.	230503107	BANOTH ANU	ST	Shortlisted
78.	230503124	KAILE NIKHIL	SC	Shortlisted
79.	230503127	ABHAYJEET KUMAR SINGH	UR	Shortlisted
80.	230503265	LOKESH	SC	Shortlisted
81.	230503343	MATHISANKAR M	SC	Shortlisted
82.	230503386	KARISHMA KESARWANI	UR	Shortlisted
83.	230503398	RAHUL PANWAR	SC	Shortlisted
84.	230503458	BADAL	UR	Shortlisted
85.	230503464	VAISHNAVI MALIK	SC	Shortlisted
86.	230503474	MADIPELLY VINAYKUMAR	SC	Shortlisted
87.	230503506	SHAHANA BEEVI E N	OBC	Shortlisted
88.	230503552	AJAY YASHVANTA BANSODE	SC	Shortlisted
89.	230503614	POTDAR YASH RAJESH	UR	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
90.	230503722	AJAY KUMAR	OBC	Shortlisted
91.	230503734	POOJA	UR	Shortlisted
92.	230503786	RAUT SUNITA SHAMRAO	UR	Shortlisted
93.	230503821	ANKIT CHOUDHARY	UR	Shortlisted
94.	230504002	KAUSHAL CHAUBEY	UR	Shortlisted
95.	230504007	ANSHIKA PAL	OBC	Shortlisted
96.	230504017	GEETA	SC	Shortlisted
97.	230504126	KIRTI	OBC	Shortlisted
98.	230504195	MANJEET	UR	Shortlisted
99.	230504197	PARIDHI JAISWAL	OBC	Shortlisted
100.	230504201	KAREENA	UR	Shortlisted
101.	230504366	RAHUL PANCHAL	UR	Shortlisted
102.	230504399	MUKESH KUMAR	SC	Shortlisted
103.	230504407	SAPAVAT SANTHOSH	ST	Shortlisted
104.	230504474	NIRUDU GIRPRASAD	SC	Shortlisted
105.	230504531	KONKATA ANWESH	SC	Shortlisted
106.	230504694	BODDU ARUN	SC	Shortlisted
107.	230504701	ROHIT MADHUKAR DHOTE	SC	Shortlisted
108.	230504745	BIDDIKA PRUDVI	ST	Shortlisted
109.	230504807	MAYA	OBC	Shortlisted
110.	230504812	EKTA SAHU	OBC	Shortlisted
111.	230504907	NEERAJ SONI	OBC	Shortlisted
112.	230504983	MANJEET KUMARI	SC	Shortlisted
113.	230504993	SWETHADAS K S	UR	Shortlisted
114.	230505002	VIMAL SOLANKI	SC	Shortlisted
115.	230505004	PRASHANT KUMAR JANGID	OBC	Shortlisted
116.	230505012	NIRMAL J	OBC	Shortlisted
117.	230505020	RAGHUVeer JANGIR	OBC	Shortlisted
118.	230505056	KARANAM DIVYA	UR	Shortlisted
119.	230505116	RAVI KUMAR	UR	Shortlisted
120.	230505128	ASHIK KUMAR	SC	Shortlisted

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
121.	230505136	KM SADHNA GUPGUPTA	OBC	Shortlisted
122.	230505144	KAPIL DEV	SC	Shortlisted
123.	230505174	SHEETAL RANI	SC	Shortlisted
124.	230505176	MANISHA DEVI	EWS	Shortlisted
125.	230505180	BALJEET	UR	Shortlisted
126.	230505208	GIRJENDRA GAUTAM	SC	Shortlisted
127.	230505348	ANANYA CHHAVI	SC	Shortlisted
128.	230505371	ASHISH KUMAR PANDEY	UR	Shortlisted
129.	230505380	DIKSHIT PANWAR	UR	Shortlisted
130.	230505491	MALI KISHOR DHONDU	OBC	Shortlisted
131.	230505517	RAVI KUMAR	UR	Shortlisted
132.	230505520	MADAN LAL MAI	SC	Shortlisted
133.	230505526	VITHOBA GULAB MAPARI	OBC	Shortlisted
134.	230505530	SATYAM PATEL	OBC	Shortlisted
135.	230505615	KRISHANA SAINI	UR	Shortlisted
136.	230505620	RAHUL SINGH	OBC	Shortlisted
137.	230505654	ANOOB SINGH	OBC	Shortlisted
138.	230505667	YOGENDRA SINGH	UR	Shortlisted
139.	230505671	ASHISH KUMAR AMRAWANSHI	SC	Shortlisted
140.	230505682	SHELAR NIKHIL SUDHIR	SC	Shortlisted
141.	230505698	PRAMOD NIRMAL	SC	Shortlisted
142.	230505710	BALWANT SINGH	SC	Shortlisted
143.	230505717	SUKHMAN SINGH	UR	Shortlisted
144.	230505740	GANESH MEENA	ST	Shortlisted
145.	230505779	VINOD KUMAR	UR	Shortlisted
146.	230505807	HARSH KUMAR SAHU	OBC	Shortlisted
147.	230505848	DEEPIKA BHATT	UR	Shortlisted
148.	230505880	GORLE BHARATHI	OBC	Shortlisted
149.	230505883	ROHIT	UR	Shortlisted

COMP - आगामी कार्यवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500005	PRACHI GEHLOT	UR	R-3
2.	230500060	NAVEEN	SC	R-1
3.	230500156	SATYA PAL	SC	R-6
4.	230500179	MAHEE	SC	R-6
5.	230500192	PABITRA HIRA	SC	R-3
6.	230500322	VIVEK KASHINATH KURHE	SC	R-3
7.	230500334	SUBIMOL G S	ST	R-1
8.	230500411	TEST	UR	R-10
9.	230500423	GITI SIKANDRA KANPUR DEHAT	SC	R-10
10.	230500464	DHIRAJ KUMAR	SC	R-3
11.	230500470	MOHIT CHAWLA	SC	R-3
12.	230500505	JOY BAGDI	SC	R1-R-3, R-5
13.	230500533	SUVEEN KUMAR	UR	R-3, R-5, R-14
14.	230500608	SHAIK UMAR FAROOQ	UR	R-3
15.	230500668	KHATRI KRUTIKA PRAKASH	UR	R-3
16.	230500673	TANISH BHARDWAJ	UR	R-3
17.	230500781	MONTY	SC	R-5
18.	230500823	UTTAM KUMAR	UR	R-3, R-5, R-7, R-13
19.	230500971	SITA RAM	SC	R-1
20.	230501053	NEHA SINGH	UR	R-5
21.	230501067	RAJESH KUMAR MEENA	ST	R-3
22.	230501086	PRIYA	SC	R-10
23.	230501102	SURESH CHANDRA MEHER	OBC	R-1, R-3
24.	230501134	CHANDRAYAN ROY	SC	R-3
25.	230501135	ARUN KUMAR	UR	R-3
26.	230501180	ARYAN TIWARI	EWS	R-3, R-5
27.	230501197	GAUTAM MOHAN MEDHE	SC	R-1
28.	230501221	NIKHETAN	SC	R-1
29.	230501254	HEMANTH P R	SC	R-3

30.	230501291	MEDI ANIL	SC	R-3
31.	230501293	ANJALI DEVI	OBC	R-3
32.	230501343	BEENIT	UR	R-3
33.	230501352	AMRITPAL SINGH	SC	R-10
34.	230501366	NEERAJ GILL	SC	R-1
35.	230501384	PURUSHOTTAM JOSHI	UR	R-3
36.	230501387	VIKAS DIGRA	UR	R-3
37.	230501459	NITIN KUMAR	SC	R-3
38.	230501507	SHASHIKANT HANSDA	ST	R-3
39.	230501522	RAKESH KUMAR MEENA	ST	R-3
40.	230501586	PARDEEP KUMAR	SC	R-3
41.	230501599	BHUVAN MOHAN MURMU	ST	R-1
42.	230501605	ANGAD	SC	R-3
43.	230501647	RAUT HARSHIT DILIP	SC	R-1
44.	230501658	AKSHAY PRASHANT GADEKAR	OBC	R-3
45.	230501711	NARENDER PAL	SC	R-5
46.	230501714	PANKAJ KUMAR SINGH	UR	R-5
47.	230501772	UJJWAL SHARMA	OBC	R-1
48.	230501777	KANDIPUDI ESWARUDU	SC	R-1
49.	230501817	MUKESH SHARMA	UR	R-3
50.	230501886	PRATIK KAMBALE	SC	R-3
51.	230501913	ROHAN	SC	R-3
52.	230501926	VISHVJEET BANJARE	SC	R-5
53.	230501928	GHANSHYAM PRAKASH	UR	R-3
54.	230501968	DHARAMBIR	SC	R-1
55.	230501971	NITEEN NIRANJAN SARDAR	SC	R-1
56.	230501990	RIYA SHARMA	UR	R-5
57.	230502033	KATHI ANILKUMAR	SC	R-1
58.	230502060	RAJKUMAR MILIND SABLE	UR	R-1
59.	230502110	RAJU KUSHWAHA	OBC	R-1
60.	230502119	PAWAN KUMAR	SC	R-1
61.	230502237	PANKAJ	UR	R-10
62.	230502251	SHUBHANGI OMPRAKASH RATHOD	OBC	R-1
63.	230502270	CHANDRASHEKHAR DAHAT	SC	R-1
64.	230502324	AACHAL SINGH	UR	R-5, R-6

65.	230502329	KANAKAPRIYA J	SC	R-1
66.	230502365	VISHNUSUKUMARAN S	SC	R-5, R-6
67.	230502400	RAVIKANT DHANLAL UKEY	SC	R-1
68.	230502457	TARANJEET PAWAR	SC	R-3
69.	230502474	SHAITAN SINGH	SC	R-5
70.	230502480	MANDEEP SINGH	SC	R-1
71.	230502494	HARENDER KUMAR	SC	R-1
72.	230502586	AMRITA GUPTA	OBC	R-1
73.	230502751	VIKASH JERAI	ST	R-6
74.	230502767	BABBU SINGH	SC	R-3
75.	230502774	ARVIND KUAMAR DHUSIA	SC	R-1
76.	230502839	UTTAM KUMAR	UR	R-3
77.	230502858	SURAJ KUMAR	UR	R-3
78.	230502912	LALTHUAM	ST	R-3
79.	230502992	YALLAPRAGADA N S AKHILA	UR	R-1
80.	230503012	VISHAL	UR	R-13
81.	230503021	GHARMANSHU BHANOT	UR	R-3
82.	230503039	SHIKHA DEVI	OBC	R-3
83.	230503041	SHREYA GAJANAN GORALE	OBC	R-6
84.	230503130	DESHRAJ GURJAR	UR	R-5
85.	230503198	DEEPAK CHOLIA	OBC	R-1
86.	230503204	SUNNY	SC	R-5
87.	230503303	SHIVANAND V INCHALAMATH	UR	R-3
88.	230503389	ABHILASH BALAJI GAWANDE	SC	R-1
89.	230503489	DIKSHA	OBC	R-5
90.	230503664	SANDIP KUMAR DHANUK	SC	R-1
91.	230503669	AMRITA SINGH	UR	R-5
92.	230503735	ENDUGUBILLI MURALI	SC	R-1
93.	230503912	MEHUL VINOD PATEL	OBC	R-3,R-4, R-5, R-6
94.	230504004	DODDIPATI RAKESH	OBC	R-1
95.	230504083	SUBIN P A	UR	R-5
96.	230504099	ROSHANI	UR	R-5
97.	230504208	DEEPAK NAMDEV PEDNEKAR	SC	R-1, R-3
98.	230504315	KAILASH	SC	R-5
99.	230504371	HASHIM AZIZ	SC	R-5
100.	230504584	SAYNA DEVI	ST	R-10

101.	230504636	SHILPA S	OBC	R-3
102.	230504865	SOM NATH	SC	R-1
103.	230504866	PHILOMINALMARY	UR	R-1
104.	230504890	DINESH KUMAR	SC	R-1, R-3
105.	230504902	KESHRI CHOUDHARY	SC	R-10
106.	230504933	SHIVANI	OBC	R-3
107.	230504972	NANDAGOPAL M	UR	R-3
108.	230504995	MANOJ KUMAR SINGH	UR	R-3,R-5
109.	230505161	BAHADUR SINGH	UR	R-5
110.	230505207	POOJITHA C	OBC	R-5
111.	230505260	SWAPNIL RAMESH GAURKHEDE	SC	R-3
112.	230505347	BALVANTBAHI	SC	R-3
113.	230505396	DEEPAK RAJ	SC	R-10
114.	230505407	MANISHA LAHA	OBC	R-3
115.	230505484	AKSHAY BARSU DHAKCHAWALE	OBC	R-3
116.	230505511	RAVI PRABHAKAR SAKHARE	SC	R-3
117.	230505519	PRAVEEN	UR	R-1
118.	230505561	SUPARNA BARMAN	SC	R-5
119.	230505641	UPENDRA NAHAK	UR	R-3, R-14
120.	230505722	BALVNATBHAI	SC	R-3
121.	230505726	VIKAS	UR	R-1
122.	230505729	NEETHUMOL K RAVI	OBC	R-5
123.	230505783	MANPREET KAUR	SC	R-1
124.	230505854	VIKAS	UR	R-1
125.	230505862	VISHNU M	SC	R-5
126.	230505869	AJU K P	OBC	R-5
127.	230505874	AKANKSHA ARORA	UR	R-3

Post Code: COMP - Syllabus for Trade Test and Paper-III of Written Test

1. Introduction to Computers and Windows Operating System
History, Generations, Types, Applications of Computers. Concepts of Hardware and Software. Introduction to various processors. Introduction to the functions of an Operating System, Popular Operating Systems in Use. Main features of Windows O.S. Various Input/ Output devices in use and their features. Using Scanner, Printer and Webcam.
2. Computer Hardware basics and Software Installation
Introduction to the booting process, BIOS settings and their modification. Introduction to various types of memories and their features. Basic Hardware and software issues and their solutions. Formatting and Loading O.S and Application software and Antivirus.
3. Introduction to DOS Command Line Interface & Linux Operating System.
Introduction to basic DOS Internal and External Commands. Introduction to Open Source Software. Introduction to Linux Operating System features, structure, files and processes. Introduction to various Linux Shells. Basic Linux commands.
4. Word Processing
Introduction to the various applications in office. Introduction to Word features, Office button, toolbars. Creating, saving and formatting and printing documents using Word. Working with inserting objects, macro, mail merge, templates, Page setup and Printing Documents using word.
5. Spread Sheet Application
Introduction to Excel features and Data Types. Cell referencing. Use of functions of various categories, linking Sheets. Introduction to various functions in all categories of Excel. Concepts of Sorting, Filtering and Validating Data. Analyzing data using charts, data tables, pivot tables, goal seek and scenarios. Introduction to Reporting.
6. Image editing, creating presentations & Using Open Office
Introduction to Open Office. Introduction to the properties and editing of images. Introduction to Power Point and its advantages. Creating Slide Shows. Fine tuning the presentation and good presentation techniques.
7. Database Management Systems
Concepts of Data, Information and Databases. Overview of popular databases, RDBMS, OODB and NOSQL. Rules for designing good tables. Integrity rules and constraints in a table. Relationships in tables. Introduction to various types of Queries and their uses. Designing Access Reports and Forms. Introduction to macros, designer objects controls, their properties and behaviour
8. Networking Concepts
Introduction to Computer Networks, Necessity and Advantages. Client Server and peer to Peer networking concepts. Concept of Proxy Server and proxy firewall server. Network topologies. Introduction to LAN, WAN and MAN. Network components, viz. Modem, Hub, Switch, Router, Bridge, Gateway etc. Network Cables, Wireless networks and Blue Tooth technology. Concept of ISO - OSI 7 Layer Model. Overview of various Network Protocols Viz. TCP/IP, FTP, Telnet etc. Logical and Physical Addresses, Classes of Networks. Network Security & firewall concepts. Concept of DHCP Server

9. Internet Concepts

Introduction to WWW, Concept of Internet, Web Browsers, internet servers and search engines. Concepts of Domain Naming Systems and E mail communication. Introduction to video chatting tools, VOIP and Social Networking concepts. Concept of Cloud storage and Open Web Server. Introduction to Internet Security, Threats and attacks, Malicious Software types, Internet security products and their advantages.

10. Web Design Concepts

Concepts of Static and Dynamic Web pages. Introduction to HTML and various tags in HTML. Creating Forms with controls using HTML. Concepts of CSS and applying CSS to HTML. Introduction to open source CMS viz., Joomla, Wordpress etc. and Web authoring tools viz. Kompozer, FrontPage etc.

11. Java Script

Algorithms and flowcharts. Introduction to Web Servers and their features. Introduction to Programming and Scripting Languages. Introduction to JavaScript and its application for the web. JavaScript Basics – Data types, Variables, Constants. Conversion between data types. The Arithmetic, Comparison, Logical and String Operators in JavaScript. Operator precedence. Arrays in JavaScript – concepts, types and usage. Program Control Statements and loops in JavaScript. Introduction to Functions in JavaScript. Built in JavaScript functions overview. The String data type in JavaScript. Introduction to String, Math and Date Functions. Concepts of Pop Up boxes in JavaScript. Introduction to the Document Object Model.

12. E Commerce

Definition of E commerce, Types, scope and benefits of E commerce. Difference between E commerce and traditional commerce. Capabilities requirements and Technology issues for E commerce. Types of E commerce web sites. Building business on the net. Concepts of on line Catalogues, Shopping carts, Checkout pages. Payment and Order Processing, Authorization, Chargeback and other payment methods. Security issues and payment gateways.

13. Cyber Security

Overview of Information Security, Security threats, information Security vulnerability and Risk management. Introduction to Directory Services, Access Control, Software Development Security, Privacy protection, Audit and Security. Introduction to I.T Act and penalties for cybercrimes.

14. Cloud Computing

Benefits of cloud services, different categories, Resources available in cloud, Explain the Application Development Life Cycle, Identify Phases of the Application Development Life Cycle, Describe Roles in each of phases of the Application Development Life Cycle.

15. Programming in Python

Introduction to Python History, Features, Setting up path Basic Syntax, Comments, Variable, Different Data Types, Casting, string, Boolean, Python Operators, Conditional Statements, Looping, Control Statements, String Manipulation, Lists, Tuple, sets, Dictionaries, Arrays, Iterators, modules, dates, math, Modules, Input and Output

Or

Programming in Java

Object Oriented Programming with Core Java, Java Programming features, JVM, Byte codes and Class path, Java Program Development, Compilation and Execution of JAVA programs, Basic JAVA language elements – keywords, comments, data types and variables., JAVA Arithmetic, Assignment, Relational, Logical, Increment /Decrement operators and expressions. JAVA String Operators, JAVA Input and Output streams, System in, System out., Input using Scanner class and Console class methods, JAVA Program Flow Control, JAVA Classes, Overloading and Inheritance, Abstract Classes and Interfaces in JAVA, Troubleshooting Java issues.

16. Post Code: OPT, Trade/Area: Machinist/ Grinding/ Optical Polishing - 02 posts [SC – 01, UR– 01]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500084	KM JAGRITI YADAV	OBC	Shortlisted
2.	230500409	HEERA LAL CHOUDHARY	SC	Shortlisted
3.	230502222	AYUSH KUMAR VERMA	SC	Shortlisted
4.	230502240	BAPI HALDER	SC	Shortlisted
5.	230502272	SAHIL	SC	Shortlisted
6.	230503098	AJEET KOTIYA	SC	Shortlisted
7.	230503603	AMANDEEP SINGH	OBC	Shortlisted
8.	230504065	SAWANT DIGAMBAR KRUSHNAT	EWS	Shortlisted
9.	230504358	DIWAKAR	OBC	Shortlisted
10.	230504595	RAJIB GHOSH	UR	Shortlisted
11.	230504859	SUDHANSHU BANDU JUMADE	SC	Shortlisted
12.	230505062	ANIRBAN SARKAR	SC	Shortlisted
13.	230505254	BHARTI YADAV	OBC	Shortlisted
14.	230505515	PAVAN	UR	Shortlisted
15.	230505532	SONI KUMARI	ST	Shortlisted
16.	230505546	RAHUL KUMAR	OBC	Shortlisted
17.	230505558	JAYANTA SARKAR	SC	Shortlisted

OPT - आगामी कार्यवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230501111	NARKUTI MADHU	SC	R-5
2.	230501738	KIRAN DIGHE	SC	R-5, R-11
3.	230501878	RAJESH KUMAR	SC	R-3
4.	230502024	RAHUL BISWAS	SC	R-5
5.	230502219	MAHALE PRADIP SURESH	SC	R-11
6.	230502312	SACHIN LAKSHMAN PRADHAN	UR	R-1
7.	230502502	RAJESH KUMAR	SC	R-5
8.	230502947	AJAY SAKAT	SC	R-3
9.	230503517	ODURI SATISH KUMAR	SC	R-3
10.	230504521	GHARMANSHU BHANOT	UR	R-5
11.	230505784	RANAJIT PAL	OBC	R-3

Post Code: OPT - Syllabus for Trade Test and Paper-III of Written Test

TRADE TEST:

1. Set the different grinding machine and produce component to appropriate accuracy
2. Perform grinding wheel mounting, balancing, dressing, truing and set surface grinder to make job by rough & finish grinding and check accuracy with precision measuring instrument
3. Plan and identify tools and equipment to carrying grinding. Setting the machine parameter. Checking of components as per defined accuracy.
4. Truing of pedestal grinding wheel
5. Grinding and Re-sharpening of hand tools. Dressing of grinding wheel by diamond dresser tool
6. Perform grinding of parallel, perpendicular and angular surfaces
7. Produce simple components by setting different machine parameters and performing different lathe operation [Different machine parameters: - Cutting, speed, feed, depth of cut; Different lathe operation – Facing, plain turning, taper turning, boring and simple thread cutting

Paper-III of Written Test

1. Ferrous, nonferrous metal, glass types and their identification. Heat treatment of metals, its importance, various methods of heat treatment such as hardening, tempering, normalizing, annealing etc
2. Optical Grinding, polishing, Lapping, edging, methods and abrasive properties, types, Laps and lapping material, types of laps lapping abrasives rotary diamond lap lapping lubricants lapping pressures wet and dry lapping. Hand lapping and machine lapping. Lapping flat surface lapping cylindrical surface polishing wheels polishing operations abrasive buffing wheels
3. Types and properties and selection of coolants and lubricants
4. Precision measuring instruments English and metric micrometer, vernier caliper, dial test indicator etc. their description and uses. Knowledge of digital measuring instruments and its uses. Pneumatic gauges – its accessories and control device and use for checking dimensions
5. Different types of abrasive, manufacture of grinding wheels, their grades. Principle and value of grinding in finishing process, various types of grinding wheels their construction and characteristic glazed and loaded wheels
6. Factors effecting selection of wheels, identification of wheel, marking system of grinding wheels, Grit and different types of bonds, such as vitrified, resinoid, rubber etc. Different types of metals and electroplated bond, Bonding materials their kinds description and uses. Grade and structure at grinding wheels, Wheel marking system selection of wheels. Specification and types (shapes & size) of grinding wheels, diamond wheels and their uses

7. Common types of surface grinding machine, plain surface, rotary surface, horizontal and vertical surface grinder etc. Method of grinding tapers
8. Test for alignment and checking, balancing at wheel, dressing different types of wheel, dressers, their description and uses
9. Holding devices such as Magnetic chuck, chucks and face plates collets their description and uses. Method of holding jobs on magnetic chuck, face plate and chucks.
10. Rough and finish grinding limit fit and tolerances, Basic size and its deviation, position of tolerances. Basic size and its deviation, position of tolerance zones with respect of zero line. Fits different types clearance, interference and transition. Interchangeable system. Letter symbols for holes and shaft and fundamental deviation hole basis and shaft basis system.
11. Heat generated in grinding dry and wet grinding use of coolant, their composition and selection. Characteristic of coolant
12. Grinding defects vibration, chattering, glazing and loading their causes and remedies
13. Diamond Wheel and Applications of diamond wheel in grinding

17. Post Code: PLUMB, Trade/Area: Plumbing - 02 posts [OBC – 01, UR– 01]**ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-**

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500178	KANHAIYA SHUKLA	UR	Shortlisted
2.	230500298	SHIVAM	SC	Shortlisted
3.	230501021	Ritanshi Kumar	SC	Shortlisted
4.	230501068	SARATH S R	OBC	Shortlisted
5.	230501170	RAHUL BALIRAM DEVARE	OBC	Shortlisted
6.	230501207	GOVIND SHAKYA	OBC	Shortlisted
7.	230501376	SONU KUSHWAHA	OBC	Shortlisted
8.	230501422	SHIVAM CHAURASIYA	OBC	Shortlisted
9.	230501657	DAYA SHANKAR MEENA	ST	Shortlisted
10.	230501725	AMIT KUMAR	OBC	Shortlisted
11.	230501743	AMIT KUMAR	OBC	Shortlisted (Same applicant as 230501725)
12.	230501790	AKASH R	OBC	Shortlisted
13.	230501819	RAHUL	OBC	Shortlisted
14.	230501927	AMAN	SC	Shortlisted
15.	230501950	RAHUL	OBC	Shortlisted
16.	230502010	VIKASH	UR	Shortlisted
17.	230502128	OMMI BHARGAV KRISHNA	OBC	Shortlisted
18.	230502193	HARPREET SINGH	SC	Shortlisted
19.	230502348	SATISH KUMAR BHARTI	UR	Shortlisted
20.	230502507	AWADHESH NAYAK	OBC	Shortlisted
21.	230502670	SARVJEET	SC	Shortlisted
22.	230502749	GOLAGANI NAIDU	OBC	Shortlisted

23.	230502835	SACHIN RAI	OBC	Shortlisted
24.	230502973	ANIRBAN BANERJEE	UR	Shortlisted
25.	230503088	ANOOP	OBC	Shortlisted
26.	230503224	SHASHI KANT	SC	Shortlisted
27.	230503561	ADARSH KRISHNAN	OBC	Shortlisted
28.	230503565	VANAPALLI NAVEEN	OBC	Shortlisted
29.	230503775	JASPREET SINGH	UR	Shortlisted
30.	230503804	AMRESH PASWAN	SC	Shortlisted
31.	230503854	PANKAJ KUMAR SAHU	OBC	Shortlisted
32.	230504027	BITTU KUMAR	OBC	Shortlisted
33.	230504311	JAYESH JAGDSIH PATIL	EWS	Shortlisted
34.	230504440	RAHUL YADAV	UR	Shortlisted
35.	230504590	AMARJOT SINGH GILL	UR	Shortlisted
36.	230504788	RAJU KUMAR	OBC	Shortlisted
37.	230504985	ROUSHAN KUMAR	OBC	Shortlisted
38.	230505049	VIJAY RAWAT	UR	Shortlisted
39.	230505077	MANOJ KUMAR	OBC	Shortlisted
40.	230505121	PRADIP DIWAKAR KALARKAR	UR	Shortlisted
41.	230505122	CHANDANBAWANE MEGHRAJ PREMDAS	OBC	Shortlisted
42.	230505172	DEEPAK KUMAR	OBC	Shortlisted
43.	230505311	INDRARAJ	UR	Shortlisted
44.	230505332	GHANSHYAM YADAV	OBC	Shortlisted
45.	230505399	MITHLESH KUMAR	OBC	Shortlisted
46.	230505405	ANOOP	OBC	Shortlisted
47.	230505419	TEJAS VITTHALRAV KINNAKE	UR	Shortlisted
48.	230505527	GAURAV	EWS	Shortlisted
49.	230505549	LAGISHETTY NARESH	OBC	Shortlisted
50.	230505550	BALRAJ	SC	Shortlisted
51.	230505556	PRABHAT MAURYA	OBC	Shortlisted

52.	230505562	RINKU	UR	Shortlisted
53.	230505580	ARUN SHARMA	OBC	Shortlisted
54.	230505656	SHOBHIT SHARMA	OBC	Shortlisted
55.	230505703	HIMANSHU MAURYA	OBC	Shortlisted
56.	230505789	PRAMOD KUMAR BARDE	OBC	Shortlisted
57.	230505816	PARDEEP	UR	Shortlisted
58.	230505817	YASHWANT INARAM BHONDE	OBC	Shortlisted

PLUMB - आगामी कार्यवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500017	GURSEWAK SINGH	SC	R-1, R-3
2.	230500048	RAJ MOHAN YADAV	OBC	R-1
3.	230500074	ANGRAJ	SC	R-5
4.	230500110	SUBHADEEP HALDAR	SC	R-3
5.	230500580	GOBINDA BISWAS	SC	R-3
6.	230500640	RAMABHILASH	OBC	R-5, R-11
7.	230500723	RAMESH KUMAR	SC	R-1, R-3
8.	230501132	MUNESH KUMAR MEENA	ST	R-1
9.	230501276	GEETANSH SEHGAL	UR	R-3
10.	230501373	VINAY CHANDER	SC	R-3
11.	230501421	NIRBHAY KUMAR	SC	R-1
12.	230501991	HOSHIYAR SINGH	OBC	R-3
13.	230502025	ANKUSH	OBC	R-5, R-7
14.	230502484	DINU KRISHNA K	SC	R-5, R-7
15.	230502650	KAPIL KUMAR	SC	R-1, R-3
16.	230503123	DEBASISH ACHARYA	UR	R-1
17.	230503229	MUKESH KUMAR	SC	R-1, R-3
18.	230503826	AJITA KUMAR PASUPALAK	UR	R-3
19.	230503855	RAMANAN S	OBC	R-3
20.	230505160	RAVI KUMAR SAINI	OBC	R-8
21.	230505274	VIKAS KUMAR	OBC	R-3
22.	230505282	ABC	OBC	R-5
23.	230505296	RAJ KUMAR	OBC	R-3
24.	230505301	ROHIT KUMAR	OBC	R-8

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिवयांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
25.	230505459	MOHIT KUMAR	UR	R-1
26.	230505658	KARUNAKARAN G	OBC	R-3
27.	230505723	RISHIPAL KIRORIWAL	OBC	R-8
28.	230505840	SOLANKI KARAN ASHOKBHAI	UR	R-3

Post Code: PLUMB - Syllabus for Trade Test and Paper-III of Written Test

TRADE TEST

1. Identify and comply with the safe working practices, environmental regulation and housekeeping.
2. Test various electronic components using proper measuring instruments and prepare electrical wire joints, carry out soldering, crimping.
3. Identify different tools, equipment's, and fittings for plumbing.
4. Test and measure equipment's in plumbing.
5. Interpret plumbing system and plumbing terminology
6. Read the plumbing drawings.
7. Interpret water distribution system & demonstration of water meter.
8. Install and maintain pressure in boosting pumps.
9. Reduce water wastage and increase water efficiency.
10. Identify, select and perform cutting of Pipes.
11. Carry out joining, fitting and laying of different types of PVC Pipes.
12. Install, fix and maintain different taps, valves, etc.
13. Perform installation of different types of faucets, water closet and its repair.
14. Carry out testing of water pressure in plumbing system.
15. Install, fix and maintain sanitary ware systems and their components.
16. Install, fix and maintain kitchen sink, wash basin, bathtub, etc.
17. Perform rainwater, gray water harvesting and conservation.
18. Carry out repairing and maintenance of plumbing system.
19. Prepare and maintain the records of plumbing system.
20. Construct various brick bond for inspection chamber with multi inlet gradients adopted for conveyance of Black Water and grey water without any obstruction various vent pipes for ventilation provided to arrest foul gas with various traps.
21. Read and apply engineering drawing for different application in the field of work.
22. Demonstrate basic mathematical concept and principles to perform practical operations. Understand and explain basic science in the field of study.

PAPER-III WRITTEN TEST

Importance of safety and general precautions observed in the industry/shop floor. Introduction of First aid, Operation of electrical mains and electrical safety, Introduction of PPEs, Response to emergencies e.g., power failure, fire, and system failure, Importance of housekeeping & good shop floor practices.

Introduction to 5S concept & its application, Occupational Safety & Health: Health, Safety and Environment guidelines, legislations & regulations as applicable, basic understanding on work permit methodology, confined space work.

Introduction to different tools like Vice and chain wrench, various hand tools like files, hammer, hacksaw, chisel, vice jaws, steel rule, V block Pipe Vice, water pump pliers, Pipe cutter, threading dies, sink auger, internal pipe cutter etc., different Types of Pipe Fittings: - Socket, Elbow, Tee, Union, Bend, Cap, Plug, etc., Concept of laser pen, Concept of laser distance meter, Use of drilling machine and importance of drill bit selection.

Introduction to Plumbing, and plumbing Terminologies – Air gap, Backflow, Back-Siphonage, Backwater valve, Cesspool, cross connection, dry/wet area, Fixture unit, Float Valve, Flush Cock, Flush Tank, Gully Trap, Interceptor, Inspection Chamber, Potable water, Push tap, Sensor operated faucet, septic tank, Single lever Mixer, Slope, static head, Strainer, Thermostatic Valve, Trap, Vent pipe, Water Hammer, Water Pressure.

Basic planning for plumbing – Location of daily water requirements, Water sources, quality of water & treatment, Water storage, Water Distribution, Hot water generation & distribution, Types of pipes (SWR, UPVC, CPVC, etc.) and their selection criteria, Concept of composite PVC/uPVC pipe. , Installation of Pipes and fittings Vs old process of laying or jointing, Estimation of Water requirements, Water sources, quality of water & treatment, Water storage, Water Distribution.

Introduction to type of pipe bends & pipe bending concept for water flow, Introduction to portable jig saw machine, Internal pipe cutter, Telescopic pipe cutter, Hexa pipe cutter, Ratchet type PVC Pipe cutter, Concept of handheld sander /Polisher, Method of PVC pipes Cutting or Jointing, etc., Types of cutting and joining tools for piping. Such as Pipe cutter, pipe bending machine, threading dies, chain wrench, etc., Plumbing Symbols and Code for Tools & Materials on water line. All type of pipes, pipe fittings and joints, Impurities of Water, test of water, hard and soft water and its removal, Pumps (different types). Introduction to different types of fitting and its applications, introduction to different solvent for joining process, Different types of Joints, Fittings and Materials in joining pipes: - PVC/CPVC, uPVC etc. Methods of fixing and joining and their uses. Precautions to be taken while fixing.

Introduction to Retrofitting of plumbing systems, Sanitary fixtures and appliances, Reading of sanitary plumbing drawing, General guidelines for Installing of sanitary fittings, Cistern – Open and concealed (fixing of flush tank), 23-inch Orissa pan (Indian Pan), Types of urinals and its installation process, sanitary symbols and its plumbing codes for all tools and materials, Advanced plumbing trends and different materials used in piping systems. (e.g., Noise reducing drainage water system – silencio), Foam core drainage pipelines, Scrapping and painting of pipelines. Study and identify the advanced plumbing trends and different materials used in piping systems.

Concept and accessible of Washroom accessories and its selection. Design criteria for washroom accessories, water closet, Fitting consideration of Wash basins, Fitting consideration for kitchen sink Showers, Bathtubs, Grab bars, Different types of washbasins and sinks, Bottle trap (Ptype). Basic troubleshooting and maintenance guideline for kitchen sink, bathtub, etc. (e.g., Drainage chock up)

Types of floors mounting EWC (European water closet),Types of walls mounting EWC (European water closet), Bathroom fittings Towel rod, towel ring, towel bracket, soap dish, toilet paper holder.

Periodic inspection, testing and maintenance. Cleaning of storage tank testing of water quality Inspect leakages of pump, valve and its rectifying techniques. Inspect the water pressure system, Inspect water level indicator and sensors, Inspect pipe supporting clamps and supporting system. Check operation and effectiveness of non-return valve, inspect thermoset. Cleaning Sanitary fixtures. Inspect trap, chamber Inspect drainage pipes and outlets, Sensor system for urinals and wash basin, etc. Corrosion - causes and remedies, prevention. Effect of water and frost on materials.

Importance of preparing and maintain the record of installation and repair maintenance of plumbing. Creation and maintain documents like: Project report Installation report, Job works estimation and actual work cost. Test and calibration certificate, Warranty certificate Valve identification chart, Routine and preventive maintenance schedule List of manufacturer and supplier Standard operating procedure (SOP) for repair and maintenance as per Indian standard code of practice for water supply.

18. Post Code: PAINT, Trade/Area: Painting - 01 posts [UR- 01]

ट्रेड परीक्षा के लिए बुलाए जाने वाले अभ्यर्थी / Candidates recommended to be called for Trade Test:-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडब्ल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	टिप्पणी, यदि कोई हो तो Remarks, if any
1.	230500990	AJAY KUMAR	UR	Shortlisted
2.	230501322	PRATHVI RAJ	SC	Shortlisted
3.	230501969	MANISH YOGRAJ DONGRE	SC	Shortlisted
4.	230502137	VIJAY KUMAR	UR	Shortlisted
5.	230503378	AKSHAY DHIMAN	OBC	Shortlisted
6.	230503414	PRADEEP KUMAR	SC	Shortlisted
7.	230503442	MUNDE GAJANAN SAMBHAJI	OBC	Shortlisted
8.	230503543	SACHIN	UR	Shortlisted
9.	230503994	SUBHAM YADAV	UR	Shortlisted
10.	230504070	NARENDRA BAHADUR	UR	Shortlisted
11.	230504258	GAGANDEEP SINGH	UR	Shortlisted
12.	230504592	RINKU	OBC	Shortlisted
13.	230504862	AMITA CHAUDHARY	OBC	Shortlisted
14.	230504959	RAMASHANKAR YADAV	UR	Shortlisted
15.	230505246	RAPARTHI DURGA KISHORE	UR	Shortlisted
16.	230505568	VIKAS	UR	Shortlisted

PAINT - आगामी कार्रवाई हेतु अनर्हक पाए गए (अस्वीकृति कोड सहित) अभ्यर्थी / Candidates found ineligible for further consideration (with rejection codes):-

क्रम सं. Sr. No.	फॉर्म सं. Form No.	अभ्यर्थी का नाम (श्री/सुश्री/श्रीमति) Name of candidate (Sh./Ms.)	वर्ग (सामान्य/ओबीसी/एससी/ए सटी/ ईडबल्यूएस/ दिव्यांगजन) Category (Gen/OBC/ SC/ST/EWS/ PwBD)	Rejection Code(s)
1.	230500506	JONI	SC	R-1
2.	230500648	VYANKATESH VIJAY SONWANE	SC	R-5, R-11
3.	230501139	K RAMANJINEYULU	SC	R-3
4.	230502570	SHANI AHIRWAR	SC	R-8, R-11
5.	230503426	RAMAVATH SAI KIRAN	ST	R-5, R-11
6.	230503541	BINU MOHAN	SC	R-1
7.	230503847	MUNISH KUMAR	SC	R-1
8.	230504216	MD GOUSUDDIN	EWS	R-1
9.	230504290	MANJEET SINGH	SC	R-1
10.	230504302	SANDEEP KUMAR	SC	R-8, R-11
11.	230504380	SATYAM SAVITA	OBC	R-1
12.	230504436	SURESH KUMAR	SC	R-1
13.	230504743	RAJAN	SC	R-5

Post Code: PAINT - Syllabus for Trade Test and Paper-III of Written Test

Trade Test

- 1) Make different types of sketching viz., free Hand sketching of different objects, designing of different shapes, size, geometrical shapes of different objects following safety precaution.
- 2) Plan and organize the work to make job as per specification applying different types of basic operation. [Basic fitting operation – marking, Chiseling, Filing, Drilling, Pipe fitting]
- 3) Manufacture simple sheet metal items as per drawing and join them by riveting. (like- Screen frame, sign board, & hanging Paintings frame)
- 4) Execute different types of Operating System and explore the working on DTP, Corel Draw, Photo shop etc.
- 5) Produce stencils involving different shapes in ornamental design, text, symbols etc. operations for different medium like papers, cards, tin, foam board, observing procedure and check for accuracy.
- 6) Produce Sign board, Name plate. prepare back ground painting, screen printing, Observe finishing, lettering proportion & evenness.
- 7) Read and apply engineering drawing for different application in the field of work.
- 8) Identify different types of Plywood, MDF & low-quality wood and make wooden surface used various techniques, decorate, paint& make an attractive wooden article.
- 9) Develop internal and external Building painting by using different decorative press.
- 10) Choose different pipes as per safety aspect and apply line painting with colour code.
- 11) Process of cleaning and painting on metal surface for preventive coat.
- 12) Identify, replace and assemble different pneumatics and paint gun. [Different components– Compressor, Pressure Gauge, Filter Regulator, Valve for hose]
- 13) Perform Spray Painting technique. (Spray Gun / hose handling, air & paint pressure controlling,)
- 14) Operate the system of spray booths, Oven, cleaning & their maintenance, application of sealant component on metallic joints.
- 15) Perform aspect ratio mixing of paint, hardener& solvent. Measure Viscosity of paint. Operate the Spray-painting system.
- 16) Identify and apply of spray-painting in-Home appliances, Agricultural equipment's, Machines, Automotive Bodies etc.
- 17) Removal of dents & recover the damaged accidental area. Repaint & recovering damaged area.
- 18) Finish special effects for Modern furniture.

PAPER-III WRITTEN TEST

1. Advertisement-Sign Board, Banner, Posters, Hoardings, Wall painting, Name plate, Logo, Symbol, Monogram, Digital Flex Board. Graph Making & Enlargement, Need of graph for Enlargement.
2. Screen Printing - Types, definition and explanation. Origin and development of screen painting. Selection of cloth, instruments, chemicals, cloth fitting, exposing.
3. Screen developing; printing and de-exposing /washing. Types of ink.

4. Different medium paper for plotter cutting. Manual cutting Instruments & their safety/ care/ precautions, proper pasting procedure, pasting techniques, care & precaution.
5. Polish paper-Types and uses. Putty - Definition, their material types and uses. Method of mixing & its different system of application. Varnish - Definition; types and characteristics of varnish. Process of making of varnish its importance and contains. Polish- Types and uses. Different application methods.
6. Paint- Definition; classification and use. Pigment, Binders, Solvent, oil, dryers; additives. Painting- Definition and importance of painting.
7. Method of wooden surface painting.
8. Types, uses of building (wall) paints. Wall primer- Water base / Oil base, types of putty for wall. Mixing, Preparation process of Lime and Distemper. Other required Equipments- Below lamp, bucket, plum-bob, putty blender, Paint strainer. Types of Trestle, ladder, scaffolding.
9. Colour selection for interior wall painting and use of Paints. Effects; Intention; Purpose of colors. Paint mixing and preparation process. Difference between emulsion paint and Oil paint.
10. Color selection for exterior wall painting and use of Paints. Method of paint mixing and preparation. Paint used for exterior wall painting.
11. Difference between brush painting and Roller painting. Types of Roller and preparation of texture for wall painting.
12. Wall defects and defects removal process of wall painting.
13. Intention and effects of pipe line painting, Colour Codes of pipe line painting. ISI colour code.
14. Corrosion- Definition and classification. Reasons for rusting and effect of climate. Different anti-rusting process.
15. Metal surface - types and selection of sanding paper (polish paper). Metal surface cleaning- Mechanical and chemical cleaning. (Dry/ wet Sanding, scraping, wire brushing, orbital wire brushing, paint burning, sand and shot-blasting, pickling and phosphating).
16. Metal Primer - Types, Purpose, application and use. Types of surface. Types of solvent or reducers / thinner/ automotive paints (Enamel, NC, Stoving, PU, Epoxy, rubber base sound deadener paint, metallic, pearl, water base automotive paint), lacquer.
17. Types of painting process- Traditional and modern technology. Ex.- Brushing, Deeping, barreling, Aerosol, roller coating, suction spray, vertical spray, pressure vessel, spray airless, electrostatic, powder coating etc.
18. Spray Gun - Principles of spray painting, spray gun accessories and their function different types of spray guns. Holding of spray gun and stroke adjustment. Types of spray painting method. Air compressor for Painting Process. Required instruments for spray painting.
19. Types of oven for painting. Description of oven and its care. Sealant - Definition and description. Purpose of sealant application - edge protection; prevention of water leakage. (Hiding the metal joint/clinch).
20. Paint viscosity - importance, method of the paint viscosity. Paint preparation & mixing for different application.
21. Airless and Electrostatic Spray painting.
22. Types of paint defects & its remedies. Importance of polishing, removal defects by polishing.
23. Operating system of Powder coating technique. Chemical cleaning process, Types of coating powders.
24. Different types of paints & painted surface testing equipments, Types of testing methods.