

**GDCE Notification No.RRC/SCR/GDCE/01/2023**

**Dated 27.07.2023**

**Date of Issue of online notification: 27.07.2023 at 17.00 Hrs.**

**Closing Date for submission of applications: 26.08.2023 at 23.59 Hrs.**

Railway Recruitment Cell, Secunderabad invites **ONLINE** applications from **eligible serving regular employees** of South Central Railway (excluding RPF/RPSF employees) as on the date of notification for filling up to the following posts against GDCE Quota as per vacancies indicated herein.

**Important Instructions:**

- Please read all the instructions in this notification carefully and ensure that you are eligible to apply before filling the application form Online available on the RRC/SC webpage of South Central Railway website [www.scr.indianrailways.gov.in](http://www.scr.indianrailways.gov.in)
- Employees are advised in their own interest to submit Online Application much before the closing date to avoid possibility of any failure to submit application due to heavy load/jam on website.
- For registration Railway employees should have a valid E-mail ID and Mobile number which has to be maintained till the completion of selection process for receiving information/Alerts.
- In case the employees do not have a VALID personal e-mail ID and mobile number he/she should create his / her e-mail ID and obtain Mobile Number before applying online application and must maintain that e-mail ID/Mobile Number till the end of selection process.
- **Employees should visit only official RRC/SC webpage of South Central Railway website [www.scr.indianrailways.gov.in](http://www.scr.indianrailways.gov.in) regularly for further updates.**

**I. DETAILS OF SAFETY POSTS AND VACANCIES**

1 <sup>st</sup> GROUP VACANCIES - PAY LEVEL 2 (Grade Pay 1900)									
Cat No.	Name of the post	Department	Medical Classification	*Suitability for PwBD	Community-wise vacancies				
					SC	ST	OBC	UR	Total
1	Assistant Loco Pilot	Mechanical	A1	NO	122	61	219	411	813
2	Technician Gr.III/ C&W	Mechanical	B1	D,HH,OL,LC,D W,AAV	2	1	5	13	21
3	Technician Gr.III/ Diesel Mechanic	Mechanical	B1	D,HH,OL,LC,D W,AAV	2	1	4	9	16
4	Technician Gr.III / Power	Electrical	B1	D,HH,OL,LC,D W,AAV	1	1	1	2	5
5	Technician Gr.III / Train Lighting	Electrical	B1	D,HH,OL,LC,D W,AAV	1	1	1	2	5
6	Technician Gr.III / TRD/ OHE	Electrical	B1	D,HH,OL,LC,D W,AAV	0	0	1	1	2
7	Technician Gr.III /TRD	Electrical	B1	D,HH,OL,LC,D W,AAV	0	0	1	1	2
8	Technician Gr.III /TRS	Electrical	B1	D,HH,OL,LC,D W,AAV	1	0	1	3	5

Cat No.	Name of the post	Department	Medical Classification	*Suitability for PwBD	Community-wise vacancies				
					SC	ST	OBC	UR	Total
9	Technician Gr.III / R& AC	Electrical	B1	D,HH,OL,LC,DW,AAV	1	0	1	2	4
10	Technician Gr.III/Signal	S&T	B1	OL,LC,DW,AAV	5	2	7	17	31
11	Technician Gr.III/Telecom	S&T	B1	OL,LC,DW,AAV	3	1	4	11	19
12	Technician Gr.III /Welder	Civil	B1	D, HH, OL,LC, DW, AAV	1	0	3	5	9
13	Technician Gr.III / Blacksmith	Civil	B1	D, HH, OL,LC, DW, AAV	1	0	3	9	13
14	Technician Gr.III /Riveter	Civil	B1	NO	0	0	0	1	1
15	Technician Gr.III /Track Machine	Civil	B1	D, HH, OL,LC, DW, AAV	1	1	2	3	7
<b>Grand Total of All Department – Technicians</b>					<b>19</b>	<b>8</b>	<b>34</b>	<b>79</b>	<b>140</b>

<b>2<sup>nd</sup> GROUP VACANCIES - PAY LEVEL 6 (Grade Pay 4200)</b>									
Cat No.	Name of the post	Department	Medical Classification	*Suitability for PwBD	Community-wise vacancies				
					SC	ST	OBC	UR	Total
16	Junior Engineer/ Diesel Mechanic	Mechanical	B1	OA,OL,DW,AAV	0	0	0	1	1
17	Junior Engineer /C&W	Mechanical	B1	OL,DW, AAV	1	0	1	4	6
18	Junior Engineer /GS	Electrical	B1	OL,DW, AAV,D,HH	0	0	1	1	2
19	Junior Engineer /TRD	Electrical	A3	NO	0	0	2	4	6
20	Junior Engineer /TRS	Electrical	A3	OL,DW, AAV,D,HH	0	0	0	1	1
21	Junior Engineer /Signal	S&T	A3	NO	0	0	1	2	3
22	Junior Engineer /Tele	S&T	A3	NO	1	0	0	2	3
23	Junior Engineer /Track Machine	Civil	A3	OL,DW, AAV	0	1	0	5	6
24	Junior Engineer /Works	Civil	B1	OL,DW, AAV	0	0	1	6	7
25	Junior Engineer /Bridges	Civil	A3	OL,DW, AAV	1	0	1	2	4
26	Junior Engineer /P. Way	Civil	A3	OL,DW, AAV	6	2	4	10	22
<b>Grand Total of All Department - JEs</b>					<b>9</b>	<b>3</b>	<b>11</b>	<b>38</b>	<b>61</b>

\* Suitability for PwBD will be as per RRB standards.

## **ELIGIBILITY CRITERIA**

### **II. AGE CRITERIA:- (RBE No. 165/2001)**

<b>As on 01/01/2024</b>	<b>UR</b>	<b>OBC</b>	<b>SC/ST</b>
<b>UPPER AGE LIMIT</b>	<b>01/01/1982</b>	<b>01/01/1979</b>	<b>01/01/1977</b>
<b>Age Group</b>	<b>42 years</b>	<b>45 years</b>	<b>47 years</b>
<b>UPPER AGE LIMIT for PwBD</b>	<b>01/01/1972</b>	<b>01/01/1969</b>	<b>01/01/1967</b>
<b>Age Group for PwBD</b>	<b>52 years</b>	<b>55 years</b>	<b>57 years</b>

#### **PROOF OF AGE :-**

**Scanned self-attested copy of Birth Certificate issued by appropriate authority OR Standard 10th or its equivalent certificate or Mark Sheet indicating Date of Birth OR School Leaving Certificate indicating Date of Birth.**

### III. MINIMUM EDUCATIONAL QUALIFICATION

1 <sup>st</sup> GROUP VACANCIES		
Cat. No.	Name of the post	MINIMUM EDUCATIONAL QUALIFICATION
1	Assistant Loco Pilot	(a) Matriculation / SSLC plus ITI from recognised institutions of NCVT/SCVT in the trades of Armature and Coil Winder / Electrician / Electronics Mechanic / Fitter / Heat Engine / Instrument Mechanic / Machinist / Mechanic Diesel / Mechanic Motor Vehicle / Millwright Maintenance Mechanic / Mechanic Radio & TV / Refrigeration and Air-conditioning Mechanic / Tractor Mechanic / Turner / Wireman <b>(OR)</b> Matriculation / SSLC plus Course Completed Act Apprenticeship in the trades mentioned above <b>(OR)</b> (b) 3 years Diploma in Mechanical / Electrical / Electronics / Automobile Engineering <b>(OR)</b> Combination of various streams of these Engineering disciplines from a recognised Institution in lieu of ITI. <b>Note: Degree in the Engineering disciplines as above will also be acceptable in lieu of Diploma in Engineering (RBE No. 162/2001)</b>
2	Technician Gr.III/C&W	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Fitter / Carpenter / Welder / Plumber / Pipe Fitter <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
3	Technician Gr.III/ Diesel Mechanic	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Fitter / Mechanic Diesel / Mechanic (Repair and Maintenance of Heavy Vehicles) / Mechanic Automobile (Advanced Diesel Engine) / Mechanic Motor Vehicle / Tractor Mechanic / Welder / Painter. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
4	Technician Gr.III /Power	(a) Matriculation / SSLC plus ITI from recognised institutions of NCVT/SCVT in the trades of Electrician / Wireman / Mechanic HT, LT Equipments and Cable Jointing / Electronics Mechanic <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trades mentioned above
5	Technician Gr.III /Train Lighting	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Electrician / Wireman / Mechanic HT, LT Equipments and Cable Jointing / Electronics Mechanic. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
6	Technician Gr.III / TRD / OHE	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Electrician / Wireman / Mechanic HT, LT Equipments and Cable Jointing / Electronics Mechanic. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
7	Technician Gr.III /TRD	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Electrician / Wireman / Mechanic HT, LT Equipments and Cable Jointing / Electronics Mechanic. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
8	Technician Gr.III /TRS	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Electrician / Wireman / Electronics Mechanic / Mechanic Power Electronics / Mechanic HT, LT Equipments and Cable Jointing / Fitter / Welder / Painter General / Machinist / Carpenter. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
9	Technician Gr.III / R& AC	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Refrigeration and Air Conditioning Mechanic / Electrician / Wireman / Electronics Mechanic. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.

10	Technician Gr.III/Signal	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Electrician / Electronics Mechanic / Wireman / Electrical Fitter. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above. <b>(OR)</b> (c) 10+2 with Physics and Maths
11	Technician Gr.III/Telecom	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Electrician / Electronics Mechanic / Wireman / Electrical Fitter. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above. <b>(OR)</b> (c) 10+2 with Physics and Maths.
12	Technician Gr.III /Welder	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Welder / Welder (Gas and Electric) / Gas Cutter / Structural Welder / Welder (Pipe) / Welder (TIG/MIG). <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
13	Technician Gr.III / Blacksmith	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Forger and Heat Treater. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
14	Technician Gr.III /Riveter	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Riveter. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.
15	Technician Gr.III /Track Machine	(a) Matriculation / SSLC plus ITI from recognized institutions of NCVT/SCVT in the trade of Fitter / Electrician / Electronics Mechanic /Instrument Mechanic / Mechanic Mechatronics / Mechanic Diesel / Mechanic Motor Vehicle / Welder / Machinist. <b>(OR)</b> (b) Matriculation / SSLC plus Course Completed Act Apprenticeship in the trade mentioned above.

### 2<sup>nd</sup> GROUP VACANCIES

Cat. No.	Name of the post	MINIMUM EDUCATIONAL QUALIFICATION
16	Junior Engineer/Diesel Mechanic	(a) Three years Diploma in (a) Mechanical / Electrical / Electronics / Manufacturing / Mechatronics / Industrial / Machining / Instrumentation & Control / Tools & Machining / Tools & Die Making / Automobile / Production Engineering <b>(OR)</b>
17	Junior Engineer /C&W	(b) A combination of any sub stream of basic streams of Mechanical / Electrical / Electronics / Manufacturing / Mechatronics / Industrial / Machining / Instrumentation & Control / Tools & Machining / Tools & Die Making / Automobile / Production Engineering from a recognised University/ Institute.
18	Junior Engineer /GS	(a) Three years Diploma in Mechanical / Electrical / Electronics Engineering <b>(OR)</b>
19	Junior Engineer /TRD	(b) a combination of any sub stream of basic streams of Mechanical / Electrical / Electronics Engineering from a recognised University/ Institute.
20	Junior Engineer /TRS	
21	Junior Engineer /Signal	(a) Three years Diploma in Electrical / Electronics / Information Technology / Communication Engineering / Computer Science & Engineering / Computer Science / Computer Engineering <b>(OR)</b>
22	Junior Engineer /Tele	(b) a combination of any sub stream of basic streams of Electrical / Electronics / Information Technology / Communication Engineering / Computer Science & Engineering / Computer Science / Computer Engineering from a recognized University/Institute

23	Junior Engineer /Track Machine	(a) Three years Diploma in (a) Mechanical / Production / Automobile / Electrical / Electronics / Instrumentation & Control Engineering <b>(OR)</b> (b) A combination of any sub stream of basic streams of Mechanical / Production / Automobile / Electrical / Electronics / Instrumentation & Control Engineering from a recognized University /Institute.
24	Junior Engineer /Works	(a) Three years Diploma in Civil Engineering or B.Sc. in Civil Engineering of three years duration <b>(OR)</b>
25	Junior Engineer /Bridges	(b) A combination of any sub stream of basic streams of Civil Engineering from a recognized University / Institute.
26	Junior Engineer /P. Way	*Correspondence Course for Diploma in Railway Engineering organized by IPWE Institution of Permanent Way Engineers(India)(Under the auspices of Ministry of Railways)is NOT eligible.

**NOTE: Higher Qualifications such as B.E/B. Tech are also acceptable in lieu of Three years Diploma in Engineering in the same Discipline.**

**VI. COMMUNITY CERTIFICATE:-**

The candidates claiming to belong to SC/ST & OBC categories are required to produce Community Certificates in the prescribed Format for appointment in Central Government service (**Annexure- 'A' & 'B' respectively**) Otherwise, their claim for reservation status (SC/ST/OBC) will not be entertained and the candidature/application of such employees, if fulfilling all the eligibility conditions for General (Un-reserved) category, will be considered under General (UR) vacancy only.

Candidates belonging to OBC community have to upload their OBC caste certificate in **Central Government format** (as per **Annexure-'B'**) issued by the **Competent Authority which is not older than three years from the date of GDCE Notification** and also have to upload the **Self- declaration form** regarding current status of **Non-Creamy-Layer** as per **Annexure-'C'** should invariably produce the **same OBC with non- creamy layer certificate valid in Central Government format** at the time of Document Verification.

**VII. RECRUITMENT PROCESS:**

- The Question paper shall be of Objective Multiple Choice Type. The question paper will be in English/Hindi/Telugu/Kannada/Tamil/Marathi/Urdu. The Questions will be of Objective type with multiple choices.**
- Negative Marking:** There shall be negative marking for incorrect answer in CBT. Deduction of 1/3rd of the marks allotted for each question shall be made for each wrong answer.
- Minimum percentage of marks for eligibility in various categories:** UR -40%, OBC-30%, SC-30%, ST -25%. The percentage of marks for eligibility may be relaxed by 2% for PWD candidates in case of shortage of PWD candidates against vacancies reserved for them.

**GDCE PROCESS for 1<sup>st</sup> GROUP VACANCIES- ALP/TECHNICIANS OF VARIOUS DEPARTMENTS**

Only single application (common to all the notified posts - ALP & Technicians} has to be submitted by the candidate through the link provided on the official website of RRC. The entire recruitment process shall involve Computer Based Test (CBT), Computer Based Aptitude Test (CBAT) and document verification/medical examination as applicable.

**A) Computer Based Test (CBT)**

**The CBT shall have two parts viz. Part A and Part B as detailed below:**

Total Duration: 2 hours and 30 Minutes (for Part A and Part B together)

## **PART A**

Duration: 90 Min. (120 Minutes for eligible PwBD candidates accompanied with Scribe)

No of Questions: 100

Minimum percentage of marks for eligibility in various categories: UR -40%, OBC-30%, SC-30%, ST -25%. The percentage of marks for eligibility may be relaxed by 2% for PWD candidates in case of shortage of PWD candidates against vacancies reserved for them.

The marks scored in Part A alone shall be used for short listing of candidates for further stages of recruitment process subject to the condition that the candidate is securing qualifying mark in Part B.

### **B) Syllabus for Part A shall be as below:**

- a) Mathematics Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Algebra, Geometry and Trigonometry, Elementary Statistics, Square Root, Age Calculations, Calendar & Clock, Pipes & Cistern etc.
- b) General Intelligence and Reasoning Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation and Sufficiency, Conclusions and decision making, Similarities and differences, Analytical reasoning, Classification, Directions, Statement – Arguments and Assumptions etc.
- c) Basic Science and Engineering The broad topics that are covered under this shall be Engineering Drawing (Projections, Views, Drawing Instruments, Lines, Geometric figures, Symbolic Representation), Units, Measurements, Mass Weight and Density, Work Power and Energy, Speed and Velocity, Heat and Temperature, Basic Electricity, Levers and Simple Machines, Occupational Safety and Health, Environment Education, IT Literacy etc.
- d) General Awareness on Current Affairs in Science & Technology, Sports, Culture, Personalities, Economics, Politics and any other subjects of importance.

## **PART B**

**Duration: 60 Min** (80 Minutes for eligible PwBD candidates accompanied with Scribe)

**No of Questions: 75**

**Qualifying Mark: 35% (This is applicable to all candidates and no relaxation is permissible)**

This part is qualifying in nature and shall have questions from the trade syllabus prescribed by Director General of Employment & Training (DGET). Trade syllabus is also available on [rrbsecunderabad.gov.in](http://rrbsecunderabad.gov.in) → archives → Exam syllabus. Candidates with ITI / Trade Apprenticeship qualification will be required to appear in the section having questions from the relevant trade. Candidates holding Degree, Diploma having eligibility for the posts of ALP have to select relevant trade from the list of trades listed against their engineering discipline.

**Candidates who do not have ITI/Act Apprentice/Diploma qualifications and have qualified 10+2 with Physics and Mathematics will be eligible for the posts of Tech-**

**III/Tele and Tech-III/ Signal only.** They should choose a special trade "Physics & Maths". If, they choose any other trade, they will not be considered for any of the posts. The Physics & Maths trade shall have questions on Physics and Mathematics of 10+2 standard.

Candidates who do not have ITI/Act Apprentice qualifications but have Diploma/Degree in various specified streams will be considered for the post of ALP only. Such candidates should choose their trades for Part-B of the CBT. The trade syllabus obtained from DGET website.

**The relevant trades for various 10+2/Diploma/Engineering discipline for appearing in the qualifying test is as below:**

Sl. No	Engineering Discipline (Diploma/Degree)	Relevant trade for PART B Qualifying Test to be selected from
1	Electrical Engineering and combination of various streams of Electrical Engineering	Electrician / Instrument Mechanic / Wiremen /Winder(Armature) / Refrigeration and Air Conditioning Mechanic
2	Electronics Engineering and combination of various streams of Electronics Engineering	Electronics Mechanic / Mechanic Radio & TV
3	Mechanical Engineering and combination of various streams of Mechanical Engineering	Fitter / Mechanic Motor Vehicle / Tractor Mechanic / Mechanic Diesel / Turner / Machinist / Refrigeration and Air Conditioning Mechanic/ Heat Engine / Millwright Maintenance Mechanic
4	Automobile Engineering and combination of various streams of Automobile Engineering	Mechanic Motor Vehicle / Tractor Mechanic / Mechanic Diesel / Heat Engine / Refrigeration and Air Conditioning Mechanic
5	HSC (10+2) with Physics and Maths	Physics and mathematics

**NOTE: The trade syllabus prescribed by Director General of Employment & Training (DGET) is also available on [rrbsecunderabad.gov.in](http://rrbsecunderabad.gov.in)→archievs→Exam syllabus.**

**Qualifying marks:** The candidate needs to secure a minimum score of 42 marks in each of the test batteries to qualify. This is applicable to all candidates and no relaxation is permissible.

Candidates equal to 8 times number of ALP vacancies for each of the communities i.e. UR, OBC-NCL, SC and ST shall be short listed for Computer Based AT (based on their performance in Part A and subject to their qualifying Part B) from among the candidates who have opted for the post of ALP.

Candidates will have to qualify in each of the test battery of Computer Based AT for considering them for the post of ALP. The Computer Based Aptitude Test shall have questions and answer options only in English and Hindi. There shall be no negative marking in Computer Based AT.

The ALP merit list will be drawn only from amongst the candidates qualifying in the Aptitude Test, with 70% weightage for the marks obtained in the Part A and 30% weightage for the marks obtained in Computer Based AT.

Candidates are advised to visit websites of RDSO ([www.rdsso.indianrailways.gov.in](http://www.rdsso.indianrailways.gov.in)→ Directorates -> Psycho Technical Directorate -> Candidates Corner) for question patterns and other details of AT.

## GDCE PROCESS for 2<sup>nd</sup> GROUP VACANCIES- JUNIOR ENGINEER OF VARIOUS DEPARTMENTS

Only single application (common to all the notified posts – Junior Engineer (JE)) has to be submitted by the candidate through the link provided on the official website of RRC. The entire recruitment process shall involve Computer Based Test (CBT) and document verification/medical examination as applicable. Selection is made strictly as per merit, on the basis of CBT.

### C) **COMPUTER BASED TEST (CBT):**

**Duration : 120 minutes** (160 Minutes for eligible PwBD candidates accompanied with Scribe)

**No of Questions : 150**

**Minimum percentage of marks** for eligibility in various categories: UR-40%, OBC-30%, SC-30%, ST-25%. This percentage of marks for eligibility may be relaxed by 2% for PwBD candidates, in case of shortage of PwBD candidates against vacancies reserved for them.

**Virtual calculator** will be made available on the Computer Monitor during CBT.

**Syllabus:** The Questions will be of objective type with multiple choices and are likely to include questions pertaining to General Awareness, Physics and Chemistry, Basics of Computers and Applications, Basics of Environment and Pollution Control and Technical abilities for the post.

The syllabus for General Awareness, Physics and Chemistry, Basics of Computers and Applications, Basics of Environment and Pollution Control is common for all notified posts under this GDCE notification as detailed below:-

#### a) **General Awareness:**

Knowledge of Current affairs, Indian geography, culture and history of India including freedom struggle, Indian Polity and constitution, Indian Economy, Environmental issues concerning India and the World, Sports, General scientific and technological developments, etc.

b) **Physics and Chemistry:** Up to 10th standard CBSE syllabus.

#### c) **Basics of Computers and Applications:**

Architecture of Computers; input and Output devices; Storage devices, Networking, Operating System like Windows, Unix, Linux; MS Office; Various data representation; Internet and Email; Websites & Web Browsers; Computer Virus.

#### d) **Basics of Environment and Pollution Control:**

Basics of Environment; Adverse effect of environmental pollution and control strategies; Air, water and Noise pollution, their effect and control; Waste Management, Global warming; Acid rain; Ozone depletion.

#### e) **Technical Abilities:**

Questions on the Technical abilities will be framed in the syllabus defined for various Exam Groups given at Para E.

The section wise Number of questions and marks are as below:

Subjects	No. of Questions	Marks for each Section
General Awareness	15	15
Physics & Chemistry	15	15
Basics of Computers and Applications	10	10
Basics of Environment and Pollution Control	10	10
Technical Abilities	100	100
Total	150	150
Time in Minutes	120	

*The section wise distribution given in the above table is only indicative and there may be some variations in the actual question papers.*



**D) Discipline Mapping Tables:-**

Sl. No.	Three years Diploma in Engineering or Bachelor's Degree in Engineering/Technology	Exam Group
1	Mechanical Engineering	Mechanical and Allied Engineering
	Production Engineering	
	Automobile Engineering	
	Manufacturing Engineering	
	Mechatronics Engineering	
	Industrial Engineering	
	Machining Engineering	
	Tools and Machining Engineering	
	Tools and Die Making Engineering	
Combination of any sub-stream of basic streams of above disciplines		
2	Electrical Engineering	Electrical and Allied Engineering
	Combination of any sub-stream of basic streams of Electrical Engineering	
3	Electronics Engineering	Electronics and Allied Engineering
	Instrumentation and Control Engineering	
	Communication Engineering	
	Computer Science and Engineering	
	Computer Engineering	
	Computer Science	
	Information Technology	
Combination of sub-streams of basic streams of above disciplines.		
4	Civil Engineering	Civil and Allied Engineering
	Combination of any sub-stream of basic streams of Civil Engineering	
	B.Sc., in Civil Engineering of 3years duration	

**Note:**

- i) All the candidates with the above qualification shall be tested in the Exam Group mapped as per the above chart
- ii) A candidate possessing more than one minimum educational qualification, mapped to different Exam Groups, can choose any one Exam Group. These candidates would be eligible for all the posts for which they possess minimum educational qualifications.
- iii) Syllabus for various groups of JEs are enclosed as Annexure –F (is also available on [rrbsecunderabad.gov.in](http://rrbsecunderabad.gov.in) → archievs → Exam syllabus)

**E) NORMALISATION OF THE MARKS:**

The raw marks for single session paper and normalized marks for multi session paper will be used for computing Merit Index, which is a common benchmark for generating merit for candidates from different Exam Groups.

**F) CALCULATION OF MERIT INDEX FOR ALL PAPERS**

In order to generate a common merit list comprising of candidates who gave examination from different exam groups, but eligible for a common post, merit index will be computed. For all papers for which there is only one session, actual marks obtained by the candidates will be used for calculating merit index, while for papers in multi-sessions; normalized marks will be calculated corresponding to the raw marks obtained by a candidate and the merit index will be calculated based on the normalized marks.

The Merit Index will be computed using the formula given below:

$$\text{Merit Index} = \text{Sq} + (\text{St} - \text{Sq}) \frac{\text{M} - \text{Mq}}{\text{Mt} - \text{Mq}}$$

(Merit Index is the relative score of a candidate within the discipline.)

M: Marks obtained by the candidate (actual/raw marks for single session exam and normalized marks for multi session exam).

Mq: The qualifying marks for general category candidate in the paper (40).

Mt : The mean marks of top 0.1% or top 10 whichever is larger of the candidates who appeared in the paper (in case of multi session exam including all sessions)

Sq: 350 is the score assigned to Mq.

St: 900 is the score assigned to Mt .

The qualifying marks (Mq) for general category candidate is 40.

The Merit Index will be calculated for UR, OBC, SC, ST candidates whose actual marks for single session exam and normalized marks for multi session exam are equal or above the community qualifying marks prescribed in Para VII (C). Based on the Merit Index generated, a combined merit list of the candidates of different disciplines/Exam Group will be prepared in the descending order of merit and the allotment of the preference will be done on the basis of this merit list.

#### **VIII DOCUMENT VERIFICATION :**

- a. After the results of the CBT/CBAT declared, candidates, equal to number of notified vacancies will be called for **Document Verification/Medical Examination and relieving letter (i.e. E-Call letter) will be available for downloading from RRC Website.**
- b. At the time of Document verification the shortlisted candidates will have to produce original documents of Date of birth, Educational Qualification, Caste Certificate, relieving letter etc along with **one set of self-attested photo copies** of all certificates, 2 recent passport size Photographs (self attested on reverse) and Valid photo ID viz. Railway Identity Card issued by his/her Department in ORIGINAL on the day of Document Verification is mandatory.
- c. Certificates in languages other than English or Hindi should be accompanied by an attested translation in English/Hindi.

#### **IX GENERAL INSTRUCTIONS :**

1. All regular employees possessing prescribed educational qualification as indicated above,
  - i. working in 7<sup>th</sup> CPC Level **lower than the Grade Pay/Scale** for which GDCE is being conducted are eligible to appear in GDCE selection.
  - ii. working in **same 7<sup>th</sup> CPC Level** for which GDCE is being conducted are eligible to appear in selection **from non-safety to safety category posts as well as safety to safety category posts**
2. **The candidates applying for GDCE notification under South Central Railway Jurisdiction has to be on rolls of SCR Zone till the completion of selection process. If any candidate is being transferred to other Zone at any point of selection process, the candidature will be rejected summarily. No claim in this regard will be accepted.**
3. **Candidates must report with relieving letter, i.e.** their e- Call letter along with a valid Railway Photo ID card, failing which candidates shall not be allowed to appear for the CBT, CBAT, DV (as applicable). The name, date of birth and photo on ID should match with the details furnished in the online application, failing which the candidate may not be permitted to appear in CBT, CBAT, DV (as applicable).

4. Those employees who are appearing in and/or awaiting for results of final examination of minimum qualification at the time of applying for the post are **not eligible**. Academic qualification must be from recognized Educational Institution / Board, otherwise candidature will be rejected.
5. The employees should possess the requisite educational qualification on the closing date of application and the same should also be endorsed in the Service Record of the employees.
6. Zone of consideration for GDCE will encompass staff belonging to all the Departments/Branches in a Divisions/Workshops/Headquarters office/Extra-Divisional Offices, as the case may be, subject to their applying in response to the notification.
7. **RPF/RPSF personnel, Law Assistants, Catering supervisors are not eligible to apply against the GDCE scheme in terms of Railway Board's letter No. E (NG) I/2002/PM2/9 dated 11.8.2003 and No. E (NG) I/2000/PM2/12 dated 21.8.2001.**
8. Employees selected under GDCE scheme shall be subjected to initial training of the same duration prescribed for directly recruited employees through RRBs.
9. Single stage examination-Computed Based Test (CBT), Computer Based Aptitude Test (CBAT), as applicable followed by Document Verification and Medical examination will be conducted.
10. The date, time and venue of the CBT will be fixed by RRC/Secunderabad and will be intimated to the eligible employees through website as well as through SMS on registered Mobile number/or through email on registered mail address. The employees should regularly visit the website.
11. The request for postponement of CBT/CBAT or change of venue will not be entertained under any circumstances.
12. Eligibility of the employees will be considered only on the strength of the information furnished in the ONLINE Application. Employees need NOT send printouts of application or Certificates or copies to RRC/SCR OR Divisions concerned by post.
13. RRC/SC conducts verification of eligibility conditions with reference to original documents only after the employees have qualified in all the stages of examinations and are shortlisted for Document Verification. RRCs may reject the candidature of any applicant at any stage of recruitment process in case the candidate is found to be not fulfilling the requisite criteria and if appointed, such a candidate is liable to be removed from service summarily.
14. On completion of all stages of recruitment process, RRC/SC will forward the select list to the Principal Chief Personnel Officer, SC Rly. for further allotment of Division /Unit.
15. **Special Note for all Employees seeking reservation/relaxation benefits:**  
All those employees seeking reservation/relaxation benefits available for SC/ST/OBC-NCL must ensure that they are entitled to such reservation/relaxation as per eligibility prescribed in the Rules/Notification. They should be in possession of all the requisite certificates in the prescribed format in support of their claim as stipulated in the Rules/Notification.
16. Railway Administration reserves the right to alter the modes of Examinations or re- conduct examination or to cancel part or whole any process at any stage.
17. The selection shall be made strictly as per merit and found fit in prescribed Medical category.
18. The employees recommended for appointment should be fit in prescribed Medical category.
19. Shortlisted employees will be called for verification of their original documents. During document verification the employees has to bring all necessary documents in original. After satisfactory document verification the candidate will be considered for empanelment subject to fulfillment of other criteria.
20. Employees recommended for a particular category of post with a Higher Medical classification will not be considered for any alternative post with lower medical classification in the event of their medical unfitness.
21. The number of vacancies indicated in the GDCE notification is provisional and may reduce or

even become NIL depending upon the actual needs of the Railway Administration. The administration also reserves the right to cancel the notified vacancies at its discretion and such decision will be final and binding on all.

22. Selected employees are liable to be posted anywhere on South Central Railway. Decision of Railway Administration in this regard shall be final.

**23. There is no separate reservation of posts for Economically Weaker Sections as per Railway Board's letter No. E(NG)I-2018/PM1/23 dated 02/05/2019.[RBE-72/2019].**

24. In the event of any mis-statement / discrepancy in the particulars / incomplete or invalid application or employee has suppressed any relevant information or the employee otherwise does not satisfy the eligibility criteria for the post being detected at any stage, his / her application / candidature will be cancelled or services will be terminated without any notice.

25. RRC/SCR reserves rights to rectify inadvertent errors or omission at any stage of examination and an erroneously appointed employee shall be liable to be terminated from Rly. Service. RRC/SCR will not be responsible for any inadvertent errors.

26. Employees should read the details and instructions on the e-Call letter carefully and follow them scrupulously; failure to comply with the instructions may lead to cancellation of their candidature.

27. Request for postponement of any of the above activity or for change of venue, date and shift will not be entertained under any circumstances. Candidate to please note that there will be no supplementary exam (CBT, CBAT) for the absentee candidates under any circumstances.

**X. HOW TO APPLY/ STEPS TO SUBMIT ONLINE APPLICATION:**

1. Submission of ONLINE APPLICATION is of Four stages: Personal Details, Education qualification Details, Post preference & Trade Selection and Upload Photo and signature.

2. Visit the website of RRC/SCR i.e. webpage of South Central Railway website [www.scr.indianrailways.gov.in](http://www.scr.indianrailways.gov.in)

3. Click on the "**ONLINE/E-APPLICATION**" link.

4. Click on the "**New Registration**" link.

5. Employee will be directed to **instructions page**. On viewing all the instructions check the declaration box and **click for registration**.

6. Fill in the basic details **PF/NPS/Employee Number, date of birth** in DDMMYYYY format. If the details provided are found correct **enter community** i.e. SC/STOBC/UR/PwBD. If within the age limit, then the employee will be directed to registration page.

7. If any candidate is unable to register with the credentials submitted, he/she may send a representation as per **Annexure-E** duly certified by personnel branch of respective office, to the E-mail ID provided in the Help Desk on or before 18.08.2023. Representation should be in the said annexure format only and such representations received after due date will not be considered.

8. Employee has to **enter valid mobile number and E-mail ID** for registration. **The USER ID and Password will be sent to registered mobile number and E-mail ID.**

9. USER ID and Password has to be preserved by the candidate till the completion of selection process.

10. **Login using the UESR ID and password** sent to the E-mail and mobile number.

11. The name of the employee, father's name, Date of Birth, Community, present designation, working station, HRMS ID, I-PAS No. will be displayed. If any of the information displayed is found wrong, the employee may mention the correct details in the bottom of the same page where option has been given and proceed. If found correct employee may **enter further details as displayed accordingly**. **Click save and submit** on verifying all the details.

12. In next page employee will have to fill in the **details of Educational qualification** possessed by him/her and also upload the certificates including community & Disability certificate (if applicable).

13. After uploading all the required educational certificates successfully, **click save and submit.**
14. **Based on the educational qualification selected by the candidate, Group-wise posts for which he/she is eligible as per notification will be displayed** in next page. Hence, correct information may be provided for further process of submission.
15. After uploading all the required educational certificates successfully, **click save and submit.**
16. The Group-wise posts/categories for which employee is eligible (based on the educational qualification entered) will be displayed, employee has to **opt the Post** to which he/she wish to apply and give preference against the opted post for both the groups separately. The preference should be given by mentioning 1, 2, 3.. etc., as per the candidate's choice, separately. Post preferences opted by the candidate.
17. **The preference of posts once finally submitted cannot be modified. Hence, candidates may decide firmly and submit correctly their choice and then only proceed. It is advisable that the candidates indicate their preferences for as many posts as they are eligible for. In case, any candidate opts for only few posts, he/she will be considered only for those opted posts and not for other posts.**
18. **Selection of Trade/Discipline: As per the posts opted for each group, exam Trade/Discipline will be displayed from which candidate has to choose the exam Trade/Discipline in which he prefers to attempt CBT.**
19. **If a candidate eligible for more than one exam trade/ discipline he/she is having more than one eligible qualification viz ITI/NAC, HSC and Diploma/Degree, to facilitate candidates to appear in only one exam trade in Part 'B' candidate has to select only one exam trade of their choice. Candidates qualifying in Part 'B' in the chosen trade shall be considered eligible for all the posts for which they possess prescribed minimum educational qualification based on their merit in Part 'A' of CBT.**
20. The **final page** of online application process will be displayed in which employee has to **upload recent color photograph** of size 3.5cm x 4.5cm (not older than three months from the date of application) with clear front view of the candidate without cap and sunglasses should be uploaded. The photo should be only in JPG/PNG (must be less than 200 KB). Employees are advised to bring one copy of the same photograph along with Hall Ticket/e-Call Letter and original valid Photo ID at the time of examination. They are also advised to keep 3 copies of the same photograph for further use.
21. Employees may note that RRC may at any stage, reject the application for uploading old/unclear photo along with online application or for any significant variations between photographs uploaded along with online application and physical appearance of the candidate.
22. After uploading the photograph, employee has to **upload specimen** signature which should be only in JPG/PNG (must be less than 200 KB).
23. Employee has to **click submit button for final submission** of his/her application, after which an acknowledgement receipt will be displayed, wherein, employee can download/take printout of the application form submitted. A copy of the same will be sent to registered mail ID in PDF format which can be preserved by the employee for future reference.
24. Employed may login at any stage for completing the submission process of online application after getting registered by clicking "Existing User Login" in the home page

NOTE:

- i) Communication with the employees will be made through SMS & e-mail only. Employees are advised to provide only their own Mobile number/ e-mail ID to receive and view such communication and preserve the same till the completion of selection process.
- ii) During submission of ONLINE application, a Unique Registration Number will be generated and issued to each candidate. Employees are advised to preserve/note their Registration Number for further stages of recruitment process/ correspondence.

25. Before submitting the application, employees should ensure and check the accuracy of all the details filled and relevant certificates uploaded and then press the SUBMIT button for online application. **Application once submitted cannot be modified.**
26. **For any query regarding submission of online application, employee may click on “help desk”.**
27. **For detailed procedure of ONLINE application, refer to the e-help link provided on the RRC website i.e. RRC/SC webpage of South Central Railway website [www.scr.indianrailways.gov.in](http://www.scr.indianrailways.gov.in)**

**XI. DOCUMENTS TO BE UPLOADED:**

1. Scanned copy of Birth Certificate issued by appropriate authority OR Standard 10th or its equivalent certificate or Mark Sheet indicating Date of Birth OR School Leaving Certificate indicating Date of Birth.
- 2 Scanned copies of required Certificate of Educational Qualification for the post applied.
- 3 In the case of employees belonging to SC/ST community, Community certificate issued by the Competent Authority in the prescribe format as per Annexure- A of this Notification.
- 4 In the case of employees belonging to OBC community, Community certificate issued by the Competent Authority in the prescribed format as per Annexure-B of this Notification. This Certificate should specifically indicate that the employee does not belong to the persons/section (Creamy Layer).
- 5 Employees claiming to belong to Other Backward Classes are also required to submit a **self-declaration** in the prescribed format. (Annexure – C of this Notification) to ensure the production of latest OBC certificate at the time of Document Verification.
- 6 In the case of employees applying against vacancies found suitable for PwBD should upload the disability certificate in the prescribe format as per Annexure-D

**XII. INVALID APPLICATIONS:**

1. Applications sent through offline mode/manually and not registered ONLINE.
2. Application without scanned Photo and scanned Signature.
3. Applications which are incomplete in any manner.
4. If more than one application registered by the same candidate, all such applications will be rejected.
5. Photograph not uploaded, Black and white photo, photo with cap or sunglasses, disfigured, small size, full body, only one side view of the face or unrecognizable photo.
6. Signature not uploaded or uploaded in capital letters
7. Applications without proof of age i.e. Date of Birth as recorded in the Birth Certificate / Matriculation / Secondary Examination Certificate or an equivalent certificate OR School Leaving certificate only.
8. Applications of over-aged or under-aged candidates and also where date of birth certificates uploaded are illegible, date not filled in or wrongly filled.
9. Not having the requisite Education Qualification at the time of closing date of application.
10. Application without uploading the requisite certificates for eligibility.
11. Application without valid Community certificate as per Para VIII in the proper Pro- format from the appropriate authority.
12. Any other form of irregularities as observed and considered as invalid by RRC.

**XIII. ACTION AGAINST EMPLOYEES FOUND GUILTY OF MISCONDUCT:**

- 1 Employees are warned that they should not furnish any particulars that are false or suppress any material information while filling in the application form.
- 2 Employees are also warned that they should in no case attempt to alter or otherwise tamper with any entry in a document or its attested/certified copy submitted by them nor should they submit a tampered/fabricated document. If there is any inaccuracy or any discrepancy,



- with any entry in a document or its attested/certified copy submitted by them nor should they submit a tampered/fabricated document. If there is any inaccuracy or any discrepancy, an explanation regarding such discrepancy should be submitted.
- 3 Misconduct on the part of the candidate at any stage of the selection process is strictly prohibited.
  - 4 Employees shall not bring or attempt to bring any political or other influence to further his/her interest in respect of recruitment. Attempting in such practice will be viewed seriously and their candidature shall be rejected without any notice.
  - 5 A candidate found by the Railway Recruitment Cell to be guilty of:
    - a. Canvassing support for his candidature by any means;
    - b. Impersonation;
    - c. Taking help of impersonator;
    - d. Submitting fabricated/tampered documents;
    - e. Making statements which are incorrect or false, or suppressing material information;
    - f. Resorting to any other irregular or improper means for furtherance of his candidature for the selection;
    - g. Using unfair means during the examination, or possessing , carrying or using mobile phone, calculator or any other such instrument;
    - h. Committing mischief in any other manner in the examination hall; Harassing or doing bodily harm to the staff employed by the RRC/SCR for the conduct of the test may, in addition to action under relevant provisions of the Rules/Laws which render him liable to criminal prosecution may further-
      - i. be disqualified by the RRC/SCR from selection for which he is a candidate, or
      - ii. be debarred, either permanently or for a period decided by the RRC/SCR, from any examination or selection conducted by any of the Railway Recruitment Cells / Railway Recruitment Boards or/and
      - iii. be taken up for disciplinary action under the appropriate rules.

**NOTE:**

- a. List of eligible employees will be notified on RRC/SCR website.
- b. Relieving letter (i.e. E- Call letter) for the CBT will be issued ONLINE.
- c. For any legal issues arising out of this GDCE Notification, the Jurisdiction shall be under Hon'ble Central Administrative Tribunal, Hyderabad Bench only.

**a. Abbreviations used:**

**RRC/SC**=Railway Recruitment Cell / Secunderabad, **RRB** = Railway Recruitment Board, **CBT**=Computer Based Test, **JPEG** = Joint Photographic Experts Group, **DPI**=Dots Per Inch, **OBC**=Other Backward Classes, **UR** = Unreserved (General), **SC** = Scheduled Caste, **ST** = Scheduled Tribe, **PwBD**=Persons With Benchmark Disabilities, **AAV**=Acid Attack Victim, **DW**=Dwarfism, **LD** = Loco motor Disabilities, **OL**=One Leg.

**b. RAILWAY RECRUITMENT CELL/SECUNDERABAD'S DECISION WILL BE FINAL:**

The decision of RRC/SCR in all matters relating to eligibility, acceptance or rejection of the applications, issue of free rail passes, penalty for false information, mode of selection, conduct of examination(s), allotment of CBT centre, allotment of posts/places to selected employees and all other matters related with conduct of selection process will be final and binding on the employees, and no enquiry or correspondence will be entertained in this connection.

Encl: Annexure A to F



Chairman

Railway Recruitment Cell  
South Central Railway, Secunderabad

## **Annexure - A**

### **PROFORMA FOR CASTE CERTIFICATE FOR SC/ST EMPLOYEES**

**(Format of certificate to be produced by employees belonging to Scheduled Castes or Scheduled Tribes in support of Claim)**

This is to certify that Shri /Smt. / Kum\* \_\_\_\_\_ Son / Daughter\* of \_\_\_\_\_ of village / town\* \_\_\_\_\_ District / Division\* \_\_\_\_\_ of State / Union Territory\* \_\_\_\_\_ belongs to the \_\_\_\_\_ Caste / Tribe\* which is recognized as a Scheduled Caste / Scheduled Tribe\* under:

- The Constitution (Scheduled Caste) / (Scheduled Tribes) Order, 1950.
- The Constitution (Scheduled Caste) (Union Territories) Order, 1951.
- The Constitution (Scheduled Tribes) (Union Territories) order, 1951 (as amended by the Scheduled Caste and Scheduled Tribes Lists Modification), Order, 1956. The Bombay Re-organisation Act 1960, The Punjab Re-organisation Act, 1966, The State of Himachal Pradesh Act, 1970, The North Eastern Areas Re-organisation Act, 1971, and the Scheduled Caste / Scheduled Tribes Order (Amendment) Act, 1976.
- The Constitution (Jammu and Kashmir) Scheduled Caste / Scheduled Tribe Order, 1956.
- The Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959.
- The Constitution (Dadra and Nagar Haveli) Scheduled Castes / Scheduled Tribes Order, 1962.
- The Constitution (Pondicherry) Scheduled Castes Order, 1964.
- The Constitution Scheduled Tribes (Uttar Pradesh) Order, 1967.
- The Constitution (Goa, Daman and Diu) Scheduled Castes / Scheduled Tribes Order, 1968.
- The Constitution (Nagaland) Scheduled Tribes Order, 1970.
- The Constitution (Sikkim) Scheduled Caste / Scheduled Tribes Order, 1978.
- The Constitution (Jammu and Kashmir) Scheduled Tribes Order, 1989.
- The Constitution (SC) Orders (Amendment) Act, 1990.
- The Constitution (ST) Orders (Amendment) Act, Ordinance 1991.
- The Constitution (ST) Orders (Second Amendment) Act, 1991.
- The Constitution (ST) Orders (Amendment) Ordinance, 1996.

#### **2. Application in the case of Scheduled Caste / Scheduled Tribe Persons who have migrated from One State/Union Territory Administration.**

This certificate is issued on the basis of Scheduled Caste / Scheduled Tribe certificate issued to Shri / Smt. / Kum\* \_\_\_\_\_ Father / Mother of Shri / Smt. / Kum \_\_\_\_\_ of Village / town in District / Division\* \_\_\_\_\_ of State / Union Territory \_\_\_\_\_ who belongs to the \_\_\_\_\_ Caste/Tribe\* which is recognized as a Scheduled Caste / Scheduled Tribe \* in State / Union Territory \* \_\_\_\_\_ issued by the \_\_\_\_\_ (Name of prescribed authority) vide their No. \_\_\_\_\_ dated \_\_\_\_\_.

#### **3. Shri/Smt./Kum.\* \_\_\_\_\_ and or his/her\* family ordinarily reside(s) in village/town\* \_\_\_\_\_ of \_\_\_\_\_ District/Division of State/Union Territory of \_\_\_\_\_ Place \_\_\_\_\_ State/Union Territory of \_\_\_\_\_**

Signature \_\_\_\_\_

Designation \_\_\_\_\_

(with seal of office) \_\_\_\_\_

(\* Please delete the words which are not applicable) (\* Please quote specific presidential offer (\*). Delete the Paragraph which is not applicable. (\*)

**Please Note: The term \*Ordinarily resides\* used will have the same meaning as in Section 20 of the Representation of the People Act, 1950.**

#### **List of Authorities empowered to issue caste / tribe certificates :**

1. District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner/ Additional Deputy Commissioner / Deputy Collector/1<sup>st</sup> Class Stipendiary Magistrate/Sub Divisional Magistrate/Taluka Magistrate/Executive Magistrate/Extra Assistant Commissioner.
2. Chief Presidency Magistrate/additional Chief Presidency Magistrate/Presidency Magistrate.
3. Revenues Officers not below the rank of Tehsildar.
4. Sub Divisional Officer of the area where the employees and / or his family normally resides.



**Annexure - B**

**FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES  
APPLYING FOR APPOINTMENT TO POST UNDER THE GOVERNMENT OF INDIA**

This is to certify that Shri / Smt. / Kumari.....  
son / daughter of.....of Village/Town .....  
In District/ Division ..... in the State/Union Territory.....  
.....belongs to the.....community which is recognised as a  
Backward Class under the Government of India, Ministry of Social Justice and  
Empowerment's Resolution No ..... Dated .....

Shri/Smt./Kum.\*.....and/or his/her family  
ordinarily reside(s) in the..... District / Division of the  
.....State / Union Territory. This is also to certify that he/she does not  
belong to the persons / sections (Creamy layer) mentioned in column 3 (of the Schedule to  
the Government of India, Department of Personnel & Training OM No. 36012/22/93-  
Estt(SCT), dated 8.9.1993 and modified vide Government of India, Department of Personnel  
and Training O.M.No.36033/1/2013-Estt. (Res) dated 27.05.2013 and 13.09.2017\*\*.

Date:\_\_\_\_\_

**DISTRICT MAGISTRATE /  
DY. COMMISSIONER ETC.**

**(Seal)**

**\* The authority issuing the certificate may have to mention the details of Resolution  
of Government of India, in which the caste of the employees as OBC.**

**\*\* As amended from time to time.**

**Note: The term "Ordinarily" used here will have the same meaning as in Section 20 of  
the Representation of the People Act, 1950.**

**Annexure -C**

**PROFORMA FOR DECLARATION TO BE SUBMITTED BY OTHER BACKWARD CLASS  
EMPLOYEES ALONGWITH THE APPLICATION**

**DECLARATION**

“ I \_\_\_\_\_ son / daughter of Shri  
\_\_\_\_\_ resident of Village / Town / City\_\_\_\_\_District  
\_\_\_\_\_State\_\_\_\_\_hereby declare that I belong to the \_\_\_\_\_  
and Training Office Memorandum No. 36012/22/93-Estt(SCT) dated 08.09.1993. It is also declared  
that I do not belong to person / sections ( Creamy Layer) mentioned in column 3 of the Scheduled to  
the above referred Office Memorandum dated 08.09.1993 and its subsequent through O. M. No.  
36033/3/2004-Estt(Res) dated 09.03.2004”.

Place : \_\_\_\_\_

Signature of the Employees \_\_\_\_\_

Date : \_\_\_\_\_

Name of the Employees \_\_\_\_\_

## FORM-VII

## Certificate of Disability

(In cases other than those mentioned in Forms V and VI) [See Rule 18(1)]

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

Recent Passport  
Size  
Attested  
Photograph  
(Showing face  
only) of the  
person

Certificate No.: ..... Date: .....

1. This is to certify that we have carefully examined Shri/Smt./Kum

.....son/wife/daughter

Of Shri..... Date of Birth ..... (DD/MM/YYYY)

Age ..... years, Male/Female..... Registration No..... Permanent

Resident of House No. .... Ward/Village/Street .....whose photograph is  
affixed above and I am satisfied that He / She is a case of **Disability.**His / Her extent of permanent physical impairment/disability has been evaluated as per guidelines  
(to be specified) for the disabilities ticked below and shown against the relevant disability in the  
table below:

S. No.	Disability	Affected Part of Body	Diagnosis	Permanent Physical Impairment/ Mental Disability (in%)
1	Loco motor Disability	@		
2	Muscular Dystrophy			
3	Leprosy cured			
4	Cerebral Palsy			
5	Acid attack Victim			
6	Low Vision	#		
7	Deaf	£		
8	Hard of Hearing	£		
9	Speech and Language disability			
10	Intellectual Disability			
11	Specific Learning Disability			
12	Autism Spectrum Disorder			
13	Mental illness			
14	Chronic Neurological Conditions			
15	Multiple Sclerosis			
16	Parkinson's Disease			
17	Haemophilia			
18	Thalassemia			
19	Sickle Cell disease			

(B) In the light of the above, his/her over all permanent physical impairment as per guidelines (to be specified), is as follows: In figures: ..... percent, In words ..... percent

2. This condition is progressive/non-progressive/likely to improve/not likely to improve.

3. Reassessment of disability is :

i) not necessary, Or

ii) is recommended/after ..... Year ..... months, and therefore this certificate shall be valid till

..... (DD/MM/YYYY)

@ e.g. Left/Right/both arms/legs; # e.g. Single eye/both eyes; £ e.g. Left/Right/both ears

4. The applicant has submitted the following document as proof of residence:

Nature of Document	Date of issue	Details of authority issuing certificate

Countersigned [(Countersignature and seal of the CMO/Medical Supdt.) Superintendent/Head of Government Hospital in case the certificate is issued by a medical authority who is not a government servant (with seal)]	(Authorized Signatory of notified Medical Authority) (Name and Seal)
---	---

Signature/Thumb impression of the person in  
whose favour disability certificate is issued

**Note:** In case this certificate is issued by a medical authority who is not a government servant, it shall be valid only if countersigned by the Chief Medical Officer of the District. The principal rules were published in the Gazette of India vide notification number S.O. 908(E), dated the 31<sup>st</sup> December, 1996.

**FORMAT FOR INCLUSION OF DATA FOR APPLYING GDCE NOTIFICATION NO. 01/2023**

To  
SPO/RRC/SC.

// Through Proper Channel \\

Sub: Inclusion of my data for submission of application against GDCE notification No. 01/2023.

\*\*\*

I, \_\_\_\_\_ S/D/W/o. \_\_\_\_\_ working as \_\_\_\_\_ at \_\_\_\_\_ under \_\_\_\_\_ division, is eligible to apply for the posts notified vide GDCE Notification No. 01/2023. When tried to submit online application, it is appearing as “Data not matching or Data not available”. I am giving my data for verification:

1	Name of the employee	:
2.	Father’s name	:
3	Date of birth	:
4	PF / NPS /Employee No.	:
5	Designation	:
6	Date of appointment	:
7	Mode of appointment	:
8	Station working	:
9	Immediate supervisor	:
10	Bill unit No. / Bill drawing Officer	:
11	Division working	:
12	My Qualifications	:
13	Mobile No. & e-Mail ID of Employee	:

I hereby declare that I am a regular employee under SC Railway and eligible for the posts notified against GDCE notification No. 01/2023. In this connection, I request Sr. DPO/\_\_\_\_\_ to kindly verify and certify the details with data available with Division. With certification the same may be forwarded to the Chairman, Railway Recruitment Cell, Secunderabad please.

Date: \_\_\_\_\_

Signature of the Employee & Designation \_\_\_\_\_

**For Official Use of Personnel Branch of \_\_\_\_\_ Division:**

The above details of the candidate is verified with the data available with division and he/she is a regular employee and found eligible to apply for the posts notified against GDCE Notification No. 01/2023. Forwarded to Chairman/RRC/SC for further necessary action please.

Signature of the Certifying Officer with date

Name:

Designation with seal:

## EXAM GROUP SYLLABUS FOR JUNIOR ENGINEERS (2<sup>nd</sup> GROUP VACANCIES)

### Syllabus for Civil & Allied Engineering Exam Group – JE

Sl. No.	Subject
1	Engineering Mechanics- Force (resolution of force, moment of force, force system, composition of forces), Equilibrium, Friction, Centroid and Center of gravity, Simple machines.
2	Building Construction- Building components (substructure, superstructure), type of structure (load bearing, framed and composite structures).
3	Building materials- Masonry materials (stones, bricks, and mortars), Timber and miscellaneous materials (glass, plastic, fiber, aluminum steel, galvanized iron, bitumen, PVC, CPVC, and PPF).
4	Construction of substructure- job layout, earthwork, foundation (types, dewatering, coffer dams, bearing capacity).
5	Construction of superstructure- stone masonry, brick masonry, Hollow concrete block masonry, composite masonry, cavity wall, doors and windows, vertical communication (stairs, lifts, escalators), scaffolding and shoring.
6	Building finishes- Floors (finishes, process of laying), walls (plastering, pointing, painting) and roofs (roofing materials including RCC).
7	Building maintenance- Cracks (causes, type, repairs- grouting, guniting, epoxy etc.), settlement (causes and remedial measures), and re-baring techniques.
8	Building drawing- Conventions (type of lines, symbols), planning of building (principles of planning for residential and public buildings, rules and byelaws), drawings (plan, elevation, section, site plan, location plan, foundation plan, working drawing), perspective drawing.
9	Concrete Technology- Properties of various types/grades of cement, properties of coarse and fine aggregates, properties of concrete (water cement ratio, properties of fresh and hardened concrete), Concrete mix design, testing of concrete, quality control of concrete (batching, formwork, transportation, placing, compaction, curing, waterproofing), extreme weather concreting and chemical admixtures, properties of special concrete (ready mix, RCC, pre-stressed, fiber reinforced, precast, high performance).
10	Surveying- Types of survey, chain and cross staff survey (principle, ranging, triangulation, chaining, errors, finding area), compass survey (principle, bearing of line, prismatic compass, traversing, local attraction, calculation of bearings, angles and local attraction) leveling (dumpy level, recording in level book, temporary adjustment, methods of reduction of levels, classification of leveling, tilting level, auto level, sources of errors, precautions and difficulties in leveling), contouring (contour interval, characteristics, method of locating, interpolation, establishing grade contours, uses of contour maps), area and volume measurements, plane table survey (principles, setting, method), theodolite survey (components, adjustments, measurements, traversing), Tacheometric survey, curves (types, setting out), advanced survey equipment, aerial survey and remote sensing.
11	Computer Aided Design- CAD Software (AutoCAD, Auto Civil, 3D Max etc.), CAD commands, generation of plan, elevation, section, site plan, area statement, 3D view.
12	Geo Technical Engineering- Application of Geo Technical Engineering in design of foundation, pavement, earth retaining structures, earthen dams etc., physical properties of soil, permeability of soil and seepage analysis, shear strength of soil, bearing capacity of soil, compaction and stabilization of soil, site investigation and sub soil exploration.
13	Hydraulics- properties of fluid, hydrostatic pressure, measurement of liquid pressure in pipes, fundamentals of fluid flow, flow of liquid through pipes, flow through open channel, flow measuring devices, hydraulic machines.
14	Irrigation Engineering- Hydrology, investigation and reservoir planning, percolation tanks, diversion head works.
15	Mechanics of Structures- Stress and strain, shear force and bending moment, moment of inertia, stresses in beams, analysis of trusses, strain energy.
16	Theory of structures- Direct and bending stresses, slope and deflection, fixed beam, continuous beam, moment distribution method, columns.
17	Design of Concrete Structures- Working Stress method, Limit State method, analysis and design of singly reinforced and doubly reinforced sections, shear, bond and development length, analysis and design of T Beam, slab, axially loaded column and footings.
18	Design of Steel Structures- Types of sections, grades of steel, strength characteristics, IS Code, Connections, Design of tension and compression members, steel roof truss, beams, column bases.
19	Transportation Engineering- Railway Engineering (alignment and gauges, permanent way, railway track geometrics, branching of tracks, stations and yards, track maintenance), Bridge engineering (site selection, investigation, component parts of bridge, permanent and temporary bridges, inspection and maintenance), Tunnel engineering (classification, shape and sizes, tunnel investigation and surveying, method of tunneling in various strata, precautions, equipment, explosives, lining and ventilation).
20	Highway Engineering- Road Engineering, investigation for road project, geometric design of highways, construction of road pavements and materials, traffic engineering, hill roads, drainage of roads, maintenance and repair of roads.
21	Environmental Engineering- Environmental pollution and control, public water supply, domestic sewage, solid waste management, environmental sanitation, and plumbing.



22	Advanced Construction Techniques and Equipment- Fibers and plastics, artificial timber, advanced concreting methods (under water concreting, ready mix concrete, tremix concreting, special concretes), formwork, pre-fabricated construction, soil reinforcing techniques, hoisting and conveying equipment, earth moving machinery (excavation and compaction equipment), concrete mixers, stone crushers, pile driving equipment, working of hot mix bitumen plant, bitumen paver, floor polishing machines.
23	Estimating and Costing- Types of estimates (approximate, detailed), mode of measurements and rate analysis.
24	Contracts and Accounts- Types of engineering contracts, Tender and tender documents, payment, specifications.

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**Syllabus for Electrical & Allied Engineering Exam Group – JE**  
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Sl.No.	Subject
1.	Basic concepts: Concepts of resistance, inductance, capacitance, and various factors affecting them. Concepts of current, voltage, power, energy and their units.
2.	Circuit law: Kirchoff's law, Simple Circuit solution using network theorems.
3.	Magnetic Circuit: Concepts of flux, mmf, reluctance, Different kinds of magnetic materials, Magnetic calculations for conductors of different configuration e.g. straight, circular, solenoidal, etc. Electromagnetic induction, self and mutual induction.
4.	AC Fundamentals: Instantaneous, peak, R.M.S. and average values of alternating waves, Representation of sinusoidal wave form, simple series and parallel AC Circuits consisting of R.L. and C, Resonance, Tank Circuit. Poly Phase system – star and delta connection, 3 phase power, DC and sinusoidal response of R-Land R-C circuit.
5.	Measurement and measuring instruments: Measurement of power (1 phase and 3 phase, both active and re-active) and energy, 2 wattmeter method of 3 phase power measurement. Measurement of frequency and phase angle. Ammeter and voltmeter (both moving coil and moving iron type), extension of range wattmeter, Multimeters, Megger, Energy meter AC Bridges. Use of CRO, Signal Generator, CT, PT and their uses. Earth Fault detection.
6.	Electrical Machines: (a) D.C. Machine – Construction, Basic Principles of D.C. motors and generators, their characteristics, speed control and starting of D.C. Motors. Method of braking motor, Losses and efficiency of D.C. Machines. (b) 1 phase and 3 phase transformers – Construction, Principles of operation, equivalent circuit, voltage regulation, O.C. and S.C. Tests, Losses and efficiency. Effect of voltage, frequency and wave form on losses. Parallel operation of 1 phase /3 phase transformers. Auto transformers. (c) 3 phase induction motors, rotating magnetic field, principle of operation, equivalent circuit, torque-speed characteristics, starting and speed control of 3 phase induction motors. Methods of braking, effect of voltage and frequency variation on torque speed characteristics, Fractional Kilowatt Motors and Single Phase Induction Motors: Characteristics and applications.
7.	Synchronous Machines: Generation of 3-phase e.m.f. armature reaction, voltage regulation, parallel operation of two alternators, synchronizing, control of active and reactive power. Starting and applications of synchronous motors.
8.	Generation, Transmission and Distribution: Different types of power stations, Load factor, diversity factor, demand factor, cost of generation, inter-connection of power stations. Power factor improvement, various types of tariffs, types of faults, short circuit current for symmetrical faults.
9.	Switchgears and Protection: Rating of circuit breakers, Principles of arc extinction by oil and air, H.R.C. Fuses, Protection against earth leakage / over current, etc. Buchholz relay, Merz-Price system of protection of generators & transformers, protection of feeders and bus bars. Lightning arresters, various transmission and distribution system, comparison of conductor materials, efficiency of different system. Cable – Different type of cables, cable rating and derating factor.
10.	Estimation and costing: Estimation of lighting scheme, electric installation of machines and relevant IE rules. Earthing practices and IE Rules.
11.	Utilization of Electrical Energy: Illumination, Electric heating, Electric welding, Electroplating, Electric drives and motors.
11.	Basic Electronics: Working of various electronic devices e.g. P N Junction diodes, Transistors (NPN and PNP type), BJT and JFET. Simple circuits using these devices.

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**Syllabus for Electronics & Allied Engineering Exam Group – JE**  
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Sl.No.	Subject
1.	Electronic Components & Materials Conductors, Semi conductor & Insulators; Magnetic materials; Jointing & Cleaning materials for U/G copper cable & OFC; Cells and Batteries (chargeable and non chargeable); Relays, Switches, MCB & Connectors.
2.	Electronic Devices and circuits PN Junction diodes, thyristor; Diode and triode circuits; Junction Transistors; Amplifiers; Oscillator; Multivibrator, counters; Rectifiers; Inverter and UPS.
3.	Digital Electronics Number System & Binary codes; Boolean Algebra & Logic gates; Combinational & Sequential logic circuits; A/D & D/A converter, counters; Memories
4.	Linear Integrated Circuit Introduction to operational Amplifier; Linear applications; Non Linear applications; Voltage regulators; Timers; Phase lock loop.
5.	Microprocessor and Microcontroller Introduction to microprocessor, 8085 microprocessor working; Assembly Language programming; Peripherals & other microprocessors; Microcontrollers



6.	Electronic Measurements
	Measuring systems; Basic principles of measurement; Range Extension methods; Cathode ray oscilloscope, LCD, LED panel; Transducers
7.	Communication Engineering
	Introduction to communication; Modulation techniques; Multiplexing Techniques; Wave Propagation, Transmission line characteristics, OFC; Fundamentals of Public Address systems, Electronic exchange, Radar, Cellular and Satellite Communication.
8.	Data communication and Network
	Introduction to data communication; Hardware and interface; Introduction to Networks and Networking devices; Local Area Network and Wide area network; Internet working.
9.	Computer Programming
	Programming concepts; Fundamentals of 'C' and C++ Operators in 'C' and C++ Control Statements; Functions, Array String & Pointers, File Structure; Data Structure and DBMS
10	Basic Electrical Engg.
	DC Circuits; AC fundamentals; Magnetic, Thermal and Chemical effects of Electric current; Earthing - Installation, Maintenance, Testing.

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**Syllabus for Mechanical & Allied Engineering Exam Group – JE**  
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1.	Engineering Mechanics :
	Resolution of forces, Equilibrium and Equibrant, parallelogram law of forces, triangle law of forces, polygon law of forces and Lamir's theorem, couple and moment of a couple, condition for equilibrium of rigid body subjected to number of coplanar non-concurrent forces, definition of static friction, dynamic friction, derivation of limiting angle of friction and angle of repose, resolution of forces considering friction when a body moves on horizontal plane and inclined plane, calculation of moment of inertia and radius of gyration of : (a) I-Section (b) channel section (c) T-Section (d) L-Section (Equal & unequal lengths) (e) Z-Section (f) Built up sections (simple cases only), Newton's laws of motion (without derivation), motion of projectile, D'Alembert's principle, definition law of conservation of energy, law of conservation of momentum.
2.	Material Science :
	Mechanical properties of engineering materials – tensile strength, compressive strength, ductility, malleability, hardness, toughness, brittleness, impact strength, fatigue, creep resistance.  Classification of steels, mild steel and alloy steels.  Importance of heat treatment. Heat treatment processes – annealing, normalizing, hardening, tempering, carburizing, nitriding and cyaniding.
3.	Strength of Materials :
	Stress, strain, stress strain diagram, factor of safety, thermal stresses, strain energy, proof resilience and modulus of resilience. Shear force and bending moment diagram – cant lever beam, simply supported beam, continuous beam, fixed beam. Torsion in shafts and springs, thin cylinder shells.
4.	Machining :
	Working principle of lathe. Types of lathes – Engine lathe – construction details and specifications. Nomenclature of single point cutting tool, geometry, tool signature, functions of tool angles. General and special operations – (Turning, facing, taper turning thread cutting, knurling, forming, drilling, boring, reaming, key way cutting), cutting fluids, coolants and lubricants. Introduction to shaper, slotter, planer, broaching, milling and manufacture of gears, heat treatment process applied to gears.
5.	Welding :
	Welding – Introduction, classification of welding processes, advantages and limitations of welding, principles of arc welding, arc welding equipment, choice of electrodes for different metals, principle of gas (oxy-acetylene) welding, equipment of gas welding, welding procedures (arc & gas), soldering and brazing techniques, types and applications of solders and fluxes, various flame cutting processes, advantages and limitations of flame cutting, defects in welding, testing and inspection modern welding methods, (submerged, CO <sub>2</sub> , atomic – hydrogen, ultrasonic welding), brief description of MIG & TIG welding.
6.	Grinding & Finishing Process :
	Principles of metal removal by grinding, abrasives, natural and artificial, bonds and binding processes, vitrified, silicate, shellac rubber, grinding machines, classification: cylindrical, surface, tool & cutter grinding machine, construction details, relative merits, principles of centreless grinding, advantages & limitations of centreless grinding work, holding devices, wheel maintenance, balancing of wheels, coolants used, finishing by grinding, honing, lapping, super finishing, electroplating, basic principles – plating metals, applications, hot dipping, galvanizing tin coating, parkerising, anodizing, metal spraying, wire process, powder process and applications, organic coatings, oil base paint, lacquer base enamels, bituminous paints, rubber base coating.
7.	Metrology :
	Linear measurement – Slip gauges and dial indicators, angle measurements, bevel protractor, sine bar, angle slip gauges, comparators (a) mechanical (b) electrical (c) optical (d) pneumatic. Measurement of surface roughness; methods of measurements by comparison, tracer instruments and by interferometry, collimators, measuring microscope, interferometer, inspection of machine parts using the concepts of shadow projection and profile projection.

8.	Fluid Mechanics & Hydraulic Machinery :
	<p>Properties of fluid, density, specific weight, specific gravity, viscosity, surface tension, compressibility capillarity, Pascal's law, measurement of pressures, concept of buoyancy.</p> <p>Concept of Reynold's number, pressure, potential and kinetic energy of liquids, total energy, laws of conservation, mass, energy and momentum, velocity of liquids and discharge, Bernoulli's equation and assumptions, venturimeters, pitot-tube, current meters.</p> <p>Working principle &amp; constructional details of centrifugal pump, efficiencies – manometric efficiency, volumetric efficiency, mechanical efficiency and overall efficiency, cavitation and its effect, working principle of jet &amp; submersible pumps with line diagrams.</p>
9.	Industrial Management :
	<p>Job analysis, motivation, different theories, satisfaction, performance reward systems, production, planning and control, relation with other departments, routing, scheduling, dispatching, PERT and CPM, simple problems.</p> <p>Materials in industry, inventory control model, ABC Analysis, Safety stock, re-order, level, economic ordering quantity, break even analysis, stores layout, stores equipment, stores records, purchasing procedures, purchase records, Bin card, Cardex, Material handling, Manual lifting, hoist, cranes, conveyors, trucks, fork trucks.</p>
10.	Thermal Engineering :
	<p>Laws of thermo dynamics, conversion of heat into work vice versa , laws of perfect gases, thermo dynamic processes – isochoric, isobaric, isothermal hyperbolic, isentropic, polytropic and throttling, modes of heat transfer, thermal conductivity, convective heat transfer coefficient, Stefan Boltzman law by radiation and overall heat transfer coefficient.</p> <p>Air standards cycles – Carnot cycle, Otto cycle, Diesel cycle, construction and working of internal combustion engines, comparison of diesel engine and petrol engine. Systems of internal combustion engine, performance of internal combustion engines.</p> <p>Air compressors their cycles refrigeration cycles, principle of a refrigeration plant.</p>

