

9. SELECTION PROCESS FOR VARIOUS POSTS:

SN	Post	Computer Based Test (CBT) Stage 1	Computer Based Test (CBT) Stage 2	Computer Based Aptitude Test (CBAT)	Document Verification	Medical Test
1	Executive (Civil)	✓	✓	x	✓	✓
2	Executive (Electrical)	✓	✓	x	✓	✓
3	Executive (Operations & Business Development)	✓	✓	✓	✓	✓
4	Executive (Finance)	✓	✓	x	✓	✓
5	Executive (Human Resource)	✓	✓	x	✓	✓
6	Executive (Information Technology)	✓	✓	x	✓	✓
7	Junior Executive (Electrical)	✓	✓	x	✓	✓
8	Junior Executive (Signal & Telecommunication)	✓	✓	x	✓	✓
9	Junior Executive (Mechanical)	✓	✓	x	✓	✓

Note:

- Selection is made strictly as per merit and extant reservation rules.
- The date, time & venue for all the stages of Recruitment process/other necessary activities as applicable shall be fixed by the DFCCIL and shall be intimated to the eligible candidates in due course. Request for postponement of any of the above activity or for change of venue, date and shift will not be entertained under any circumstances.

10. SCHEME OF EXAMINATION:

(A) Details of Computer Based Test (CBT) is as under:

- There shall be two-stage CBT (1st Stage CBT and 2nd Stage CBT) for all Advertised categories.
- The standard of question for both 1st and 2nd stage CBT will be generally in conformity with the Educational Standard prescribed for the Posts.
- Negative Marking:** There shall be negative marking in both 1st and 2nd stage CBT and as such 1/4th of the marks allotted for each question shall be deducted for each wrong answer.
- 1st stage CBT will be of screening nature.
- The score / normalized score of 1st stage CBT shall be used only for shortlisting candidates for the 2nd stage CBT.
- Total Number of candidates to be shortlisted for next stage of selection process will be as per details given below.

SN	Particulars	Number of candidates to be called for next stage of Selection
1	2nd stage Computer Based Test	20 times the Community-wise vacancies of Posts notified as per Merit in 1st Stage CBT.
2	Computer Based Aptitude Test (CBAT) (For Executive - Operations & Business Development)	08 times the Community-wise vacancies of Posts notified as per Merit in 2nd Stage CBT.
3	Document Verification / Medical / formation of Panel	Equal to number of Community wise vacancies notified as per Merit.

Note: DFCCIL reserves the right to increase or decrease the number of candidates to be called for next stage of Selection.

- vii) Candidates who are shortlisted for 2nd stage CBT/CBAT (where applicable) availing the reservation of a Community, PwBD or ExSM, shall continue to be considered only against that Community for all subsequent stages of Recruitment process.
- viii) 1st stage CBT will consist of 100 Multiple Choice Objective Type Questions of 01 mark each and the Exam duration will be 90 minutes (120 minutes for eligible PwBD candidates with Scribe). The Indicative Syllabus for 1st stage CBT is given below :

SN	Topic	Number of questions
1	Mathematics / Numerical Ability	30
2	General Awareness	15
3	General Science	15
4	Logical Reasoning /General Intelligence	30
5	Knowledge about Railways/DFCCIL	10
Total		100

- ix) 2nd Stage CBT will consist of 120 Multiple Choice Objective Type Questions of 01 mark each and the Exam duration will be 120 minutes (160 minutes for eligible PwBD candidates with Scribe). Indicative Syllabus for 2nd stage CBT is given in Annexure-IV.
- x) If question paper consists of more than one Section, then there will be no Sectional cut-off in case of CBT.
- xi) Marks / normalized marks obtained in 2nd stage CBT and CBAT (wherever applicable) will be considered for formation of Panel (final result).
- xii) All candidates of a Community having same cut-off marks will be called for 2nd Stage CBT/CBAT.
- xiii) Maximum size of final Panel will be equal to the number of advertised vacancies (community-wise).
- xiv) The candidates shortlisted for 2nd Stage CBT shall be advised through the websites of DFCCIL as well as through personal communication to the registered Mobile Number and E-mail ID to download their e-Admit Card for appearing in the 2nd Stage CBT.

Open Market Recruitment

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पंजीकृत एवं कॉर्पोरेट कार्यालयपांचवा तल : सुप्रीम कोर्ट, मेट्रो स्टेशन बिल्डिंग कॉम्प्लेक्स, नई दिल्ली 110001
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- xv) The Question Paper will be set in English & Hindi only. In case of any difference/discrepancy/dispute questions between English and Hindi versions, the contents of English version shall prevail.
- xvi) **Qualifying Marks:** Minimum qualifying marks for different categories will be as under:
- UR/EWS - 40%,
 - SC/OBC-NCL- 30%
 - ST -25%.

Indicative syllabus for various Posts (Total 120 Questions)**A. Executive (Civil) (Post Code: 11) :**

- a. Part-I (24 Questions) : General Knowledge, General Aptitude/Reasoning etc
- b. Part-II (96 Questions): Engineering and Solid Mechanics, Structural Analysis, Building & Construction Materials, Concrete (MCC,RCC & PSC) and Steel Structures Design, Soil Mechanics, Foundation Engineering, Public Health Engineering, Transportation Engineering , Hydraulics, Hydrology & Hydraulics Structures, Engg. Drawing, Estimation and surveying etc

B. Executive (Electrical) (Post Code: 12) :

- a. Part-I (24 Questions) : General Knowledge, General Aptitude/Reasoning etc
- b. Part-II (96 Questions) : Power Transmission & Distribution, Circuit Analysis & Control system, Machines, Electronics, Measurement, Rest etc

C. Executive (Operations & Business Development) (Post Code: 13) (120 Questions) :

- a. General Knowledge, Logical Reasoning, Numerical Ability, General Science, History of Indian Railways and DFCCIL, Economics & Marketing, Customer Relations etc.

D. Executive (Finance) (Post Code : 14) :

- a. Part-I (24 Questions) : General Knowledge, General Aptitude/Reasoning etc
- b. Part-II (96 Questions) : Corporate Accounting, Income Tax Laws and Practice, Indirect Tax Laws, Corporate Laws, Cost Accounting, Computer Application in Business, Management Principles and Applications, Fundamentals of Financial Management, Auditing and Corporate Governance, Financial Reporting and Analysis, Project Management, E-Filing of Returns, Banking and Insurance etc.

E. Executive (Human Resource) (Post Code : 15) :

- a. Part-I (24 Questions) : General Knowledge, General Aptitude/Reasoning etc
- b. Part-II (96 Questions) : Human Resources Management, Industrial Relations & Labour Laws, Training and Development, Recruitment & Selection, Business Environment & Ethics, Performance Management, Organizational Behavior etc

F. Executive (Information Technology) (Post Code – 16) :

- a. Part-I (24 Questions) : General Knowledge, General Aptitude/Reasoning etc
- b. Part-II (96 Questions) : Basic Knowledge about hardware configuration of computer and servers, Networking, IP routing & Traffic Management etc.

G. Junior Executive (Electrical) (Post Code: 21) :

- a. Part-I (60 Questions) : General Knowledge, Numerical Ability, General Aptitude/Reasoning, General Science etc
- b. Part-II (60 Questions) : Electrical Circuits and Fields, Signals and Systems, Electrical Machines, Power Systems, Control Systems, Electrical and Electronic Measurements, Analog and Digital Electronic, Power Electronics and Drives etc.

H. Junior Executive (Signal & Telecommunications) (Post Code:22) :

- a. Part-I (60 Questions) : General Knowledge, Numerical Ability, General Aptitude/Reasoning, General Science etc
- b. Part-II (60 Questions) : Electronic Measurements and Instrumentation, Analog and Digital Circuits, Analog and Digital Communication Systems, Basic Network Connectivity and Communications, Power supplies, SMPS, UPS, Inverter, Basic of Marking, Hacksawing, Chiselling, Filing, Drilling, Taping and Grinding. Basic concepts of generation, transmission and distribution of electrical power etc

I. Junior Executive (Mechanical) (Post Code:23) :

- a. Part-I (60 Questions) : General Knowledge, Numerical Ability, General Aptitude/Reasoning, General Science etc
- b. Part-II (60 Questions) : Engineering Drawing, Measurement, Work, Power & Energy, Heat & Temperature, Machines, Tools & Equipment etc