



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR

भर्ती अनुभाग

कक्ष संख्या 224, द्वितीय तल (संकाय भवन)
Room No. 224, 2nd Floor (Faculty Building)

RECRUITMENT SECTION

पो0 आई. आई. टी. कानपुर-208 016 (उ.प्र.), भारत
P.O. I.I.T. Kanpur – 208 016 (U.P.), INDIA

INFORMATION SHEET

Written Test: JUNIOR ENGINEER (DEE1) AGAINST ADVT. NO. 02/2022

Duration: 2 hrs 30 min

[Part-A- 40 marks (Objective), Part-B- 20 marks (Descriptive) and Part-C- 60 marks (Objective- Domain Specific)]

For **Part-A**, the question paper consists of the following portions:

A.1: Quantitative and Numerical Ability	[10 marks]
A.2: Logical Reasoning and Analytical Ability	[10 marks]
A.3: Verbal Ability	[10 marks]
A.4: Current Affairs and General Awareness	[10 marks]

Part-B, comprising 20 marks. This written test will be descriptive type and include questions from the following topics from which candidates need to attempt any 3 out of 5 questions:

B1) Official letter-writing	B2) Memo and note preparation
B3) Report-Writing	B4) Case study
B5) Incident reporting	

Part-C, comprising 60 marks. This written test will be objective type and include questions of domain specific, as given below:

Electric circuits and fields, Electrical machines, Power systems, Control systems, Electrical and electronic measurements, Analog and digital electronics, Transmission and distribution, Design selection/sizing of material/equipment for internal and external electrical installations, Lift/elevator, Diesel generator, Pump, Transformer, Motor, Battery, Air conditioning, Illumination, Solar energy, Energy saving fixtures, Estimation and costing, Tendering, Billing, Quality control of construction.

General:

1. Please note that for consideration in the merit the candidates have to secure following minimum marks in the written test – 30% for UR category, 27% for OBC category and 25% for SC/ST/PwD categories- failing which Institute will not make an offer of appointment even if vacancies go unfilled.
2. Candidates belonging to any reserved category (who score equal to or more than the cut off score decided for UR) shall be treated under UR category.
3. The credentials of all short-listed candidates will be thoroughly checked before they will be allowed to appear for Job Oriented Practical Test.

Job Oriented Practical Test:

This JOPT is of qualifying nature only and the minimum cut-off will be decided suitably.

Final Selection:

Final merit for selections will be made on the scores obtained in written test only, subject to qualifying in Job Oriented Practical Test.

NOTE:- The following instructions need to be followed during the examination.

1. You have to bring a water bottle, hand sanitizer, hand gloves of your own,
2. You will always wear a standard face mask. Use of hand-kerchief (face towel), as face mask, is not permitted,
3. You have to maintain social distancing during the examination process,
4. **If you are suffering from fever, cough or any other symptoms of Covid-19, then you will not be permitted to enter the Institute campus.**