



भारतीय प्रौद्योगिकी संस्थान कानपुर  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR

भर्ती अनुभाग

RECRUITMENT SECTION

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

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 (DCE1) 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:

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

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

Mechanics of materials, Structural analysis, Design of concrete and steel structures, Soil mechanics, Foundation Design, Construction materials, Machine tools, Measurements, Water and wastewater quality and treatment, Principles of surveying, 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.**