

Syllabus for Practical Test to be conducted for JO(IT)

Objective: To Check the practical knowledge and ability to apply the theoretical concepts to solve real life problems.

1. Practical test will comprise of four sections
 - A. Database Management System [30 marks]
 - B. Programming Languages and Data Structure [20 Marks]
 - C. Web Designing [25 Marks]
 - D. Operating System and Computer Networks [25 Marks]

Evaluation will be spot evaluation by the examiner. Printouts and backup of data will be taken for record.

- A. Database Management System [30 marks]: Candidate will be given a simple small business problem. Based upon this problem the candidate is required to do the following:

1. Design and create Database (using MS-Access/SQL Sever/Oracle). [10 marks]
2. Insert four to five relevant records in the database.
3. Five to six queries will be given based upon the business problem. The candidate is required to write SQL statements for those queries using the data base he/she has been created. [20 Marks]

- B. Programming Languages and Data Structure [20 Marks]: Candidate will be asked to write computer Programme using C/C++/Java. The scope will also cover data structure arrays, stacks and queues.

[Proposed Marks Distribution]

Assigning Appropriate Name for Variables/Constants: 5
Using comments and Indentation and code Optimization: 5
Successful Execution of the Program: 10

- C. Web Designing [25 marks] : the candidate will be asked a Web page with given features and conditions using HTML and or any web designing tool.
Marks distribution

Designing of Web page [Color Scheme, Title, subtitles ets]: 5 Marks
Implementation of other features asked: 20 Marks

- D. Operating System and Computer Networks [25 Marks]: Practical assignments bases upon operating system and computer networks will be given to the candidate:

Operation System (Windows 2000/Unix): [10 Marks]
(Installation of Device Drivers, Sharing Devices, User Management etc..)
Computer Networks: [15 Marks]

(Installation of NIC, Configuration of LAN etc.)

Instructions to the Candidates for Junior Officer (IT)

1. The candidature to the Examination is strictly provisional.
2. Candidate is to bring this Admit Card in original with recent photograph attested by a Gazetted officer and firmly pasted.
3. The candidates are advised to report to the Examination Hall 30 minutes before the time of the examination as mentioned in the Admit Card.
4. If candidate is found ineligible, the candidature is liable to be cancelled.
5. Possession / use of Programmable or non- Programmable Calculator, Mobile Phones and other Electronic / Communication devices are banned in the Examination Hall.
6. There will be negative marking for every wrong answer.
7. Syllabus for practical test of J.O.(I.T.) is available on the Corporation's website:
hppcl.gov.in

Note:

Only those candidates should appear for the practical test who fulfill the eligibility criteria i.e. minimum educational qualification and minimum percentage as prescribed in the advertisement for the post of J.O.(I.T.).

Candidates who do not receive their admit cards, but their name is in the List of Shortlisted candidates available on the website may come for practical test subject to the production of Identity proof such as pan card or voter's ID card for verification and one recent photograph attested by a Gazetted officer.