THDC JET Syllabus 2023 | Junior Engineer Traineer Exam Pattern PDF Download

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The THDC JET Syllabus 2023 for the written exam is designed for Diploma level candidates. THDC JET Syllabus 2023 exam will be conducted online in a **Computer-Based Test (CBT)** format. It will consist of objective-type multiple-choice questions (MCQs) and will be available in both **English and Hindi** languages. The total number of questions will be **200,** with each question carrying one mark. **THDC JET Syllabus 2023** total time allotted for the exam is 180 minutes. For each correct answer, candidates will be awarded **one mark,** and there will be a negative marking of **0.25 marks** for every incorrect answer. THDC JET Syllabus 2023 subjects included in the syllabus are Concerned with Discipline, General Awareness, and Reasoning.

Computer Based Test
01

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02

THDC JET Syllabus 2023: Written Exam

Organization

THDC

Exam Mode

Online (CBT)

Exam Level

Diploma

Exam Type

Objective (MCQ)

Paper Medium

English & Hindi

Total Question

200

Total Marks

200

Total Time (Minutes)

180

Correct Answer (Marks)

01

Negative Marking

0.25

Cut Off Marks

General 50%

EWS 50%

OBC 50%

SC 30%

ST 30%

Subject Details

Name Qsn Marks

Concerned Discipline 140 140

General Awareness 30 30

Reasoning 30 30

✍️ Test Paper 1 ✍️ Test Paper 2
1. 📖Concerned Discipline

Total Qsn 140 **Total Marks-** 140

Technical/Professional Knowledge syllabus:

Mechanical:

1. Specification.
2. IC Engine Cooling & Lubrication.
3. Rankine cycle of System.
4. Boilers.
5. Fitting & Accessories.
6. Air Compressors & their cycles.
7. Refrigeration cycles.
8. Hydraulic Turbines.
9. Properties & Classification of Fluids.
10. Classification of steels.
11. Fluid Statics, Measurement of Fluid Pressure.
12. The principle of Refrigeration Plant.
13. IC Engines Combustion.
14. Air standard Cycles for IC Engines.
15. Properties of Pure Substances.
16. 1st Law of Thermodynamics.
17. Theory of Machines and Machine Design.
18. Engineering Mechanics and Strength of Materials.

19. 2nd Law of Thermodynamics.
20. IC Engine Performance.
21. Classification.
22. Nozzles & Steam Turbines.
23. Fluid kinematics.
24. Dynamics of Ideal fluids.
25. Centrifugal Pumps.
26. Measurement of Flow rate.
27. Basic principles.

Civil:

1. The Strength of Materials.
2. Engineering Materials.
3. Structural Analysis.
4. The Design of R.C.C. Structure, steel structure, masonry structure.
5. Irrigation Engineering.
6. Hydrology.
7. Estimation and Coating.
8. Surveying.
9. Environmental Engineering.
10. Construction Equipment, Planning, and Management.
11. Geotechnical Engineering.
12. Transportation Engineering.
13. Concrete Technology.
14. Engineering Drawings.
15. Construction.

Electrical:

1. Utilization of Electrical Energy.
2. Power Electronics & Drives.
3. Network Theory.
4. Basic Electronics.
5. Analog and Digital Electronics.
6. Power Systems.
7. AC Fundamentals.
8. Measurement and measuring instruments.
9. Magnetic Circuit.
10. Estimation and costing.
11. Electrical Machines.
12. Basic Electrical Engineering Concepts.

2. 📖General Awareness

Total Qsn 30 **Total Marks-** 30 **Test Paper-** Start Quiz

General Awareness syllabus:

1. Current Events - International and National
2. Sports
3. General Polity
4. Indian Constitution
5. Geography
6. Economic Scenario
7. Scientific Research
8. Culture
9. History

3. 📖Reasoning

Total Qsn 30 **Total Marks-** 30 **Test Paper-** Start Quiz
Reasoning syllabus:

1. HCF & LCM.
2. Mixtures & Allegations.
3. Simple & Compound Interest.
4. Data Interpretation.
5. Number System.
6. Percentages.
7. Time and Work.
8. Problems on Ages.
9. Profit and Loss.
10. Time and Distance.
11. Simplification.
12. Decimal & Fractions.
13. Averages.
14. Ratio and Proportions.

THDC JET SYLLABUS NOTICE

SELECTION PROCESS

1. The selection process of candidates will be based on their performance in their computer based test as per detail given below:

Sl.No.	Name of Post	Selection Process
1.	Junior Engineer Trainee- (Civil Engineering)	Computer Based Test (85% weightage)
2.	Junior Engineer Trainee- (Electrical Engineering)	and
3.	Junior Engineer Trainee- (Mechanical Engineering)	Interaction/viva (15% weightage)

NOTE: Mode of selection may change for any/all post subject to the number of applicants and management discretion.

2. The details of computer-based test is as given below:

i.	Examination Duration	180 minutes (3 hours)
ii.	Medium of Examination	English and Hindi
iii.	Total Marks & Subjects	200 Marks/ 200 Questions PART I- 140 multiple choice questions of the concerned discipline (Civil/Electrical/Mechanical Engineering). PART II- 30 multiple choice questions of the General Awareness. PART III- 30 multiple choice questions of Reasoning.
iv.	Marking	• Each question will carry one mark. • For every correct answer of multiple choice questions, 1 mark shall be awarded. • For every wrong answer of multiple choice questions, 0.25 marks will be deducted. • No marks will be awarded/deducted from un-attempted questions.

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THDC JET Syllabus 2023 FAQ

⭐**What is the mode of the THDC JET 2023 written exam?**
The mode of THDC JET 2023 written exam is online and conducted as a Computer-Based Test (CBT).

⭐**What level of qualification is required for the THDC JET Syllabus?**
The THDC JET exam is designed for candidates with a Diploma level qualification.

⭐**What type of questions can be expected in the THDC JET PDF Download?**

The THDC JET 2023 exam consists of objective-type multiple-choice questions (MCQs).

⭐**In which languages will the THDC JET 2023 exam be available?**

The exam will be available in both English and Hindi languages.

⭐**Is there a negative marking in the THDC JET Exam Pattern?**

Yes, there is a negative marking in the THDC JET. Each incorrect answer will result in a deduction of 0.25 marks.

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