

OHPC Diploma Engineer Trainee Syllabus 2018 |

Check DET,GET,MT Exam Pattern

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OHPC DET, MT, GET Exam Pattern

Exam Type	Type of questions	Number of Parts	Name of the Subjects	Total Questions	Marks	Time Duration
Computer Based Test	Multiple choice questions	Part I	General Aptitude	40	40	2 Hours
		Part II	Technical Subjects	80	80	
		Total		120	120	

Syllabus For Aptitude

- Permutation and Combination.
- Decimal Fraction.
- Time and Work.
- Ratio and Proportion.
- Average.
- Numbers.
- Simple Interest.
- Chain Rule.
- Problems on Ages.
- Races and Games.
- Simplification.
- Pipes and Cistern.
- Area
- Stocks and Share.
- Square Root and Cube Root.

- Height and Distance.
- Allegation or Mixture.
- Banker's Discount.
- Partnership.
- Surds and Indices.
- Probability.
- Logarithm.
- Time and Distance.
- Volume and Surface Area.
- Boats and Streams.
- Problems on H.C.F, L.C.M.
- Compound Interest.

Syllabus For General Awareness

- Indian History.
- Famous Books & Authors.
- Inventions and Discoveries.
- Current Affairs.
- Tourism.
- Indian Politics.
- Indian Economy.
- Biology.
- Sports.
- Indian Parliament.
- Artists.
- Countries and Capitals.
- Rivers, Lakes and, Seas.
- Famous Days & Dates.
- Famous Places in India.
- Environmental Issues.
- Civics.
- Geography.
- General Science.
- Literature.
- Heritage.

Syllabus For Reasoning

- Mirror Images.

- Non-Verbal Series.
- Clocks & Calendars.
- Coding-Decoding.
- Number Series.
- Statements & Arguments.
- Syllogism.
- Directions.
- Analogy.
- Blood Relations.
- Alphabet Series.
- Number Ranking.
- Data Interpretation.
- Embedded Figures.
- Statements & Conclusions.
- Arithmetical Reasoning.
- Decision Making.
- Cubes and Dice.

Syllabus For English

- Synonyms.
- Error Correction (Underlined Part).
- Error Correction (Phrase in Bold).
- Passage Completion.
- Para Completion.
- Substitution.
- Sentence Arrangement.
- Joining Sentences.
- Sentence Improvement.
- Sentence Completion.
- Prepositions.
- Active Voice and Passive Voice.
- Antonyms.
- Fill in the blanks.
- Idioms and Phrases.
- Spotting Errors.

Syllabus For Technical Subjects

Electrical:

- Speed Control of Motors
- Introduction to A.C. Machines.
- Converters.
- Alternators.
- Inverters.
- Regulated Power Supply.
- A.C. Motors.
- Basic Feature of A.C. Machines.
- HVDC/HVAC System.

Civil:

- Civil Engineering Drawing.
- Quantity Surveying & Costing.
- CAD & Programming.
- Highway Engineering.
- Railways & Bridge.
- Soil Mechanics.
- Building Construction.
- Concrete Technology.
- Structural Design & Drafting.
- Public Health Engineer.
- Material Technology.
- Mechanics of Structure.
- Surveying.
- Construction Management.

Mechanical:

- Steering & Front Axle.
- Air Refrigeration Cycles.
- Vapour Absorption System.
- Fuel System for Diesel Engines.
- Automobile Engines (Power Plant).
- Auto-Electric System.
- Air Conditioning Systems.
- Final Drive & Rear Axle.
- Air Conditioning & Psychometric Processes.
- Wheels and Tyres.
- Vapour Compression System Components.

- Fuel Systems for Petrol Engine.
- Introduction (Vehicle Layouts and Types).
- Vapour Compression Cycle.
- Air Distribution Systems.
- Refrigerant.
- Estimation of Material Cost.
- Automobiles Emissions and its Control.
- Cooling Load Calculation.
- Suspension Systems.
- Fundamentals of Estimating.
- Transmission & Propeller Shaft.

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