

**FACT Apprentice Syllabus || Download FACT Diploma & Graduate
Apprentice Exam pattern @ fact.co.in**

FACT Apprentice Exam Pattern

Subject Name	No of Questions	Marks
Reasoning	100	100
General Knowledge		
English		
Numerical Aptitude		
Relevant Disciplines		

FACT Apprentice Syllabus 2020 For Topic wise

Reasoning

- Puzzle Test.
- Analogy.
- Alphabet Test.
- Logic.
- Statement – Conclusions.
- Eligibility Test.
- Number, Ranking & Time Sequence.
- Alpha-Numeric Sequence Puzzle.
- Mathematical Operations.
- Logical Sequence of Words.
- Arithmetical Reasoning.
- Statement – Arguments.

General Knowledge

- Economic Scene.
- Sports.
- General Polity including Indian Constitution.
- Sports & Games.
- Countries & Currencies.

- Current GK.
- Countries and Capitals.
- Art & Culture.
- Scientific Research.
- History.
- Daily News.
- Famous Personalities.
- Culture.
- Geography.
- Current Events.
- National & International affairs.
- States & Capitals.

English

- Articles.
- Antonyms.
- Unseen Passages.
- Idioms & Phrases.
- Adjectives.
- Sentence Rearrangement.
- Synonyms.
- Subject-Verb Agreement.
- Grammar.

Numerical Aptitude

- Ratio and Time.
- Number Systems.
- Fundamental Arithmetical Operations.
- Time and Distance
- The relationship between Numbers.
- Use of Tables and Graphs Mensuration.
- Time and Work.
- Ratio & Proportion.
- Profit and Loss.
- Computation of Whole Numbers.
- Averages.
- Decimals and Fractions.
- Interest & Discount.

- Percentages.

Relevant Disciplines

Mechanical

- Theory of Machines
- The design of Machine Elements
- Manufacturing Analysis
- Tool Engineering Metrology and Inspection
- Calculus
- Vector Calculus
- inventory Control
- Production Planning and Control
- Numerical Methods
- Probability & Statistics
- Engineering Mechanics
- The Strength of Materials

Electrical

- Power System Analysis & Control
- Power System Protection
- Switch Gear and Protection etc
- Power Electronics & Drives
- Power Systems
- Analog and Digital Electronics
- Electronics Devices
- Electrical Instrumentations

Electrician

- Physical Electronics
- Electron Devices and ICs
- Signals and Systems
- Network Theory
- Electromagnetic Theory
- Power amplifiers
- Frequency
- Broad banding techniques
- Transient and steady-state response of control systems

- Concepts of gain and phase margins
- Constant-M and Constant-N Nichol's Chart
- Analog Electronic Circuits
- Digital Electronic Circuits
- Control Systems

Civil

- Building Planning
- Valuation
- Hydraulic Structure
- Professional practice
- Transportation Engineer 1 & 2 (Road)
- Quantity Estimation
- Building Code
- Town Planning
- GIS
- Structural Analysis
- Soil Mechanics

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