

FACT Exam Pattern

S.No	Test	No of Parts	Subjects	Type
1	Written test	Part – I	Management Aptitude <ul style="list-style-type: none">• Aptitude• General English• General Knowledge	Objective
		part – II	<ul style="list-style-type: none">• Technical Aptitude• Subject knowledge in the respective discipline	

FACT Syllabus

FACT Technician Syllabus – Aptitude

- Number system.
- Simple interest.
- compound interest.
- ratio & proportion.
- Average, percentage.
- Profit & loss.
- Time & work.
- work & wages.
- time & distance.
- Clocks & calendars.
- partnership.
- mensuration etc.

FACT Technician Syllabus – Civil Engineering

- Engineering Mechanics.
- Structural Analysis.
- Surveying & Measurement.

- Mechanics of Solids.
- Transport Phenomenon.
- Soil Mechanics & Foundations.
- Transportation Engineering.
- Engineering Economy & Management.
- Elementary Engineering.
- Hydrology & Water Resources.
- Energy Conversion.
- The design of Hydraulic Structures.
- Environmental Engineering.
- Open Channel Flow.
- Structural Design.
- Hydraulic Engineering.
- Public Health Engineering.
- Engineering Materials & Constructions.

Fertilizers And Chemical Travancore Syllabus – Electrical

- Basic Electrical Engineering Concepts.
- Measurement and measuring instruments.
- Magnetic Circuit.
- AC Fundamentals.
- Power Systems.
- Power Electronics & Drives.
- Electrical Machines.
- Network Theory.
- Basic Electronics etc.

FACT Management Trainee Syllabus – Fire & Safety

- Environmental Safety.
- Fundamental of Fire Engineering Science.
- Fire Risk Assessment.
- Industrial Safety.
- Fire Tech & Design.
- Safety of People in the event of Fire.
- Fire Control Technology.
- Construction Safety.
- Fire Fighting.

FACT Management Trainee Syllabus – Mechanical Syllabus

- Fluid Mechanics.
- Internal Combustion Engines.
- Balancing of Reciprocating Masses.
- Manufacturing Planning & Control.
- Measurement & Metrology.
- Applied Thermodynamics.
- Industrial Engineering & Enterprise Resources Planning.
- CAD/CAM/CIM.

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