

RITES Engineer Exam Pattern 2020

Subjects Name	Exam Type
English Language	Objective Type
Reasoning	
Quantitative Aptitude	
General Knowledge	
Professional Knowledge	

RITES Engineer Syllabus-Topics Wise

General English

- Comprehension passage
- Spot the error
- Antonyms
- Idioms and phrases
- Shuffling of sentence parts
- One word substitutions
- Shuffling of Sentences in a passage
- Spellings
- Synonyms/ Homonyms
- Improvement
- Cloze passage
- Fill in the blanks
- Detecting Mis-spelt words

General Knowledge

- Books
- Geography
- General Politics
- Current events
- Sports and Games
- Indian Constitution
- Economic Scene
- History
- Awards and Honors
- Culture

Quantitative Aptitude

- Time & Speed
- Investment
- Pictorial Graph
- Statistical Charts
- Simplification
- Geometry
- Bar Graph
- Problem On Ages
- Pie Chart
- Data Interpretation
- Fundamental Arithmetical operations
- Algebra
- Number Systems
- Trigonometry
- Mensuration
- Average
- Simple & Compound Interest
- Time & Work
- Profit & Loss
- HCF & LCM
- Area
- Percentages

Reasoning

- Number Ranking
- Syllogistic Reasoning
- Embedded Figures etc.
- Problem Solving
- Directions
- Cubes and Dice
- Arithmetical Reasoning
- Mirror Images
- Arrangements
- Blood Relations
- Non-Verbal Series
- Number Series
- Coding-Decoding
- Judgment
- Decision Making
- Analogies
- Visual Memory
- Clocks & Calendars
- Alphabet Series

Professional Knowledge

Civil Engineering

- Bridge Engineering
- Hydraulic Structures
- Concrete Technology
- Fluid Mechanics
- Steel Structures
- Civil Engineering Materials and Construction
- Construction and Project Management
- Estimation, Costing, and Specifications
- Environmental Studies
- Soil Mechanics and Foundation Engineering
- Surveying
- PSC Structures
- Environmental Engineering
- Transportation Engineering
- Solid Mechanics, Structural Analysis
- Hydrology & Water Resources Engineering
- Reinforced Concrete Structures

Electrical Engineering

- Electrical Basics.
- Instruments.
- Digital Electronics.
- Microprocessor.
- Electrical Measurements & Measuring.
- DC Machine, AC Machine & Transformer.
- Control System.
- Generation, Transmission & Distribution of Electrical Power.
- Power Electronics & Drives.
- Network theory.
- Circuit Theory.
- Analog Circuits/ Electronics.
- Electrical Engineering Materials.

Mechanical

- Mechanics.
- Mechanical Measuring Instruments.
- Engineering Drawing & Design/Design Calculation.
- Thermal Engineering/ Power Plant Engineering.
- Manufacturing Processes(Drilling, Milling, Boring)/ Manufacturing Technology.
- Manufacturing Processes/ Heat & Surface Treatment, Heat & Mass Transfer.
- Theory of Machine.
- Production Design.

- Pneumatics & Hydraulics.
- Metrology and Measurements/Tolerance Limits, Fits.

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