

## **Certification Engineers International Limited Syllabus 2018**

### **CEIL Construction Engineer General English Syllabus**

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

### **CEIL Construction Engineer Reasoning Syllabus**

- Puzzles
- Verbal Reasoning
- Logical Reasoning
- Data Sufficiency
- Non-Verbal Reasoning
- Data Interpretation
- Analytical Reasoning

### **CEIL Construction Engineer Aptitude Syllabus**

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- Areas
- Time and Distance
- Problems on Trains
- Ratio and Proportion
- Boats and Streams
- Simple Interest
- Time and Work Partnership
- Averages
- Problems on L.C.M and H.C.F
- Pipes and Cisterns
- Problems on Numbers
- Compound Interest
- Volumes Profit and Loss
- Odd Man Out
- Races and Games
- Numbers and Ages
- Mixtures and Allegations
- Percentages
- Simple Equations
- Quadratic Equations
- Indices and Surds
- Mensuration
- Permutations and Combinations
- Probability
- Simplification and Approximation

### **CEIL Construction Engineer Civil Syllabus**

- Concrete Technology.
- Hydrology & Water Resources Engineering.
- Fluid Mechanics.
- Estimation, Costing, and Specifications.
- Civil Engineering Materials and Construction.

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- Construction and Project Management.
- Hydraulic Structures.
- Surveying.
- Steel Structures.
- PSC Structures.
- Environmental Studies
- Soil Mechanics and Foundation Engineering.
- Transportation Engineering.
- Environmental Engineering.
- Reinforced Concrete Structures.
- Solid Mechanics, Structural Analysis.
- Bridge Engineering.

### **CEIL Construction Engineer Mechanical Syllabus**

- Probability & Statistics.
- Differential Equations.
- Refrigeration and air-conditioning
- Fluid Mechanics.
- The design of Machine Elements.
- Joining Processes.
- Calculus.
- Vector Calculus.
- The Strength of Materials.
- Engineering Materials.
- Turbomachinery.
- Thermodynamics.
- Tool Engineering.
- Operations Research.
- Engineering Mechanics.
- Operations.
- Metal Casting.
- Theory of Machines.

- Forming Processes.
- Numerical Methods.