

**SYLLABUS OF WRITTEN EXAMINATION FOR THE POST OF A.E.
(CIVIL), A.E. (MECH.) & J.E. (CIVIL) ADVERTISED BY UPSBC LTD.
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ASSISTANT ENGINEER (CIVIL)

- Theory and analysis of Structures , Design of Steel and Reinforced Concrete Structures.
- Fluid Mechanics,Hydraulics Engineering, Canal Structures and Diversion Headworks.
- Soil Mechanics & Foundation Engineering.
- Building Construction. Finishing of Building.
- Railway & Highway Engineering, Roads/ Runways
- Surveying.
- Water Resource Engineering.
- Distribution System for Canal Irrigation.
- Environmental Engineering, Typical Features of Sewerage System.

ASSISTANT ENGINEER (MECHANICAL)

- Statics Equilibrium,Dynamic,Theory of Machines,Mechanics of Solid.
- Material Science Manufacturing Science, Production Management.
- Thermodynamics, Fluid Mechanics, Heat Transfer.
- Energy Conversion, Environment's Control.

JUNIOR ENGINEER (CIVIL)

- Strength of Material & Theory of Structures.
- Design of reinforced concrete structures.
- Steel and Machinery Structures.
- Building estimates and coating, construction management, account and entrepreneurship development.
- Soil mechanics and foundation engineering.
- Surveying.
- Building Materials and Constructions.
- Water Resources Engineering: Introduction of Irrigation, Rain Fall & Run off, Water Requirement of Crops, Lift Irrigation,Flow Irrigation, Canal head works, regulatory works, cross drainage works, Dams Flood Protection, Water Logging and Drainage, Irrigation Management, Fluid Mechanics etc.


Manager (Personnel-1)


General Manager (H.Q.)