

# UPSC Civil Engineering Optional Books

Paper-1 of the UPSC Civil Engineering Optional Syllabus includes Engineering Mechanics, Strength of Materials, Structural Analysis, Fluid Mechanics, Solid Type, and Structure. Paper 2 contains Construction Technology, Surveying, Hydrology, Environmental Engineering, etc. following are the UPSC Civil Engineering Optional Books that would help the candidates to complete these topics efficiently.

- Engineering Mechanics - Shames
- Introduction to Mechanics of Solids
- Basic and applied Fluid Mechanics-Garde
- Surveying - Punmia
- Strength of Material - V. N. Vazaram
- Soil Mechanics and Foundation Engineering - A Singh and K R Arora
- Strength and Materials -UC. Jindal
- Strength of material - Gere and Timoshenko
- Concrete Technology - M.S. Shetty
- R.C.C. (WSM) - Shyal and Goyal
- Mechanics for Engineers- B Johnson
- Engineering Mechanics - Mchean
- Limit State Design - Ram Chandra
- R.C.C. (LSM) - A.K. Jain
- Steel Structure - L.S. Negi
- Soil Mechanics - K.R. Arora
- Fluid Mechanics - Modi & Seth
- Theory of Structure (Vol - II) - Vazirani and Ratwani
- Irrigation Engineering - S.K. Garg
- Prestress Concrete - N. Krishna Rajee
- Engineering Hydrology - K. Subramanya
- Engineering Mechanics by Irvin Shames
- Strength of Materials By S. Ramamrutham
- Intermediate Structural Analysis by CK Wang
- Theory of Structures by S. Ramamrutham
- Design of Steel Structures by S Duggal
- Design of Steel Structures by N Subramanian
- Prestressed Concrete by N Krishna Raju
- Handbook Of Reinforced Concrete Design by SN Sinha
- Basic and Applied Soil Mechanics by Gopal Ranjan and Rao
- Building Construction by Arora and Bindra
- Construction, Planning and Management by UK Srivastava