

## **Civil Engineering Department**

### **SYLLABUS FOR PhD ENTRANCE EXAM IN CIVIL ENGINEERING**

#### **STRUCTURAL ENGG.**

---

Bending moment and shear force diagram; Analysis of trusses, arches, beams, cables and frames; Stiffness and Flexibility methods; Design of concrete and steel structures; Concrete mix design; Codal provisions; Working stress and Limit state design of beams, slabs and columns; Construction Management; Seismic analysis.

---