

SYLLABUS :-

R.C. Structures: Material-load environment and time dependent responses. Problems relating to non-uniform drying shrinkage and creep under varying stress. Behaviour of concrete under multi-axial stress, failure theories- plasticity, Damage in RC structures, interaction with reinforcement. General principles and philosophies of design with special references to the codal provisions. Serviceability and stability requirements. Yield line and strip methods of design of slabs