

SYLLABUS :-

Introduction to different types of foundation and details of simple foundations in brick and concrete. Shoring, underpinning, scaffolding and form work. Steel and Aluminium Doors, Windows and Louvers: types, including fixing details of steel and aluminium sections at jamb, sill, head / lintel, details of mullion and transom including hardware details. Typical section through a cavity wall showing details at roof, foundation and openings. Expansion joints: Construction details at foundation, walls, floors and roof level for both concrete and brick work. Water proofing at flat roof and damp proofing at basement. Fire resistive construction for different components of a building. Introduction to Cost Effective Construction Technologies (CECT) in building construction: Stub Foundation (foundation), Rat - trap Bond (walls), Brick arches (at lintel level), Filler Slab (roof), Use of Ferro cement