

COURSE TITLE : CONSTRUCTION ENGINEERING LAB
COURSE CODE : 315
COURSE CATEGORY : B
PERIODS/WEEK : 3
PERIODS/SEMESTER : 54
CREDITS : 2

I Setting out a small building in the field by three- four- five rule(Compulsory)

II. BRICK MASONRY (AT LEAST ANY SIX NUMBERS)

- 2.1 Laying of one brick wall in English Bond and Flemish bond.
- 2.2 Laying of one and a half brick wall in English Bond and Flemish bond
- 2.3 Laying of one brick thick wall in Rat trap bond.
- 2.4 Laying a cross wall of one brick thick in English Bond and Flemish bond .
- 2.5 Laying of a cross wall of one brick thick with one an a half main wall in English Bond and Flemish bond
- 2.6 Laying of one brick pier in English bond and one and a half brick pier in English Bond and Flemish bond.
- 2.7 Laying of two brick pier in English Bond and Flemish bond.

III. PLUMBING PRACTICE (AT LEAST ANY FIVE NUMBERS)

- 3.1. Study and sketching of Tools and Fittings in Plumbing and sanitary wares.
- 3.2 Thread cutting on G I pipe and PVC pipes 20mm & 25mm
- 3.3 Fitting of Pipes, specials, taps, Shower, etc.
- 3.4 Service Connection from water Supply mains
- 3.5. Connecting Closets, Wash basins, Flushing Cisterns, Flushing Valves
- 3.6 Connecting different types of water traps.
- 3.7 Connection of Drainage to Public Drainage System
- 3.8 Water connections to plumbing and sanitary appliances

IV. PAINTING PRACTICE (AT LEAST ANY TWO NUMBERS)

- 4.1 Practice painting on wood work
- 4.2 Practice painting on Metals surfaces
- 4.3 Practice white washing and Colour washing
- 4.4 Practice painting with distempers and emulsion paints.

V. Electrical Wiring Practice (Not for Examination)

- 5.1 Single phase wiring- one lamp controlled by one switch and one lamp controlled by two switches.
- 5.2 Familiarizing connections to Plug & Socket, DP & TP main switch, MCB & ELCB, Earthing, lightning arrester etc.