

S. B. Roll. No.....

**BUILDING DRAWING**  
**3<sup>rd</sup> Exam/Civil/5199/Nov'24**  
**(For 2018 Batch Onwards)**

**Duration: 3Hrs.**

**M.Marks:100**

**SECTION-A**

**Q1. Attempt any three questions.**

**3x20=60**

- Draw the plan of alternate courses T junction of one brick with 1.5 brick wall in English bond.
- Draw a circular arch for a span of 1.0 m
- Draw elevation and section of cellular core flush door shutter 900\*1900.
- Draw the detail of simple spread footed foundation for an external wall 300mm thick by thumb rule.

**SECTION-B**

**Q2. Draw the plan, front elevation and two cross sections from the given line plan with the following specifications.**

**40**

Foundation : 900mm deep and 900mm wide

Plinth : Plinth height 400mm

DPC : Provide horizontal DPC 40mm thick cement concrete 1:2:4 with 2 coats of bitumen laid hot.

Flooring : 40mm thick c.concrete 1:2:4 over 100mm thick cement concrete over 100mm thick filling.

Walls : All walls are 300mm thick.

Joinery : Provide doors, windows, almirah, cupboard and windows as per the requirements

Sunshades : RCC sunshades 450mm projected from walls, 80mm thick at the back and 50mm thick at free end.

Lintel : RCC lintel 20mm thick over verandah opening and 150mm thick over doors and windows opening.

Height of rooms: Height of rooms from the floor level to the ceiling i.e up to the bottom of structural slab is 3m

Roofing : Roofing to be RCC slab 100mm thick with 20mm thick cement plaster 1:3 with 2 coats of bitumen laid hot and covered with 100mm thick rammed earth with mud and mud plaster

**Assume any missing data.**

