

Syllabus

1. Introduction to Drawing and Surveying

- Importance of Drawings
- Types of Drawing
- Scales of drawing
- Types of Surveying
- Leveling

2. Construction Work

- Need of foundation
- Site Inspection and Marking
- Digging and Filling (Earthwork)
- Loose and close Timbering
- Prevention from timbering and Seepage
- Methods of security check
- Introduction to Building Material

3. Brick Work

- Brick Work
- Method of Preparation of Mortar
- Different types of Bond
- Different types of Arch
- Plinth Beam

4. Concrete Work

- Preparation of Concrete
- Construction joint
- Curing
- Expansion Joints
- Reinforced cement concrete
- Shuttering

5. Roof Work

- Types of Roof
- Drainage from roofs

6. Finishing and Polishing

- Cement Plaster
- Dry Distemper
- Material used in Paints
- Measurement of Paints
- Painting and Polishing on wood
- Painting on Iron

7. Flooring

- Types of Flooring
- Watering, Grinding and Polishing
- Tile work
- Kota stone flooring

8. Wood and Iron Work

- Shutters of Doors/ Windows
- Joint in Frame
- Fitting of Doors/ Windows
- Glass Work
- Iron Work

9. Drainage and Sewer Construction

- Types of Drainage
- Method of Drainage Construction
- Shape of Pipes
- Manholes and Sanitary Installation

10. Road Work

- Formation level of roads
- Main part of the roads
- Sub grade and compaction
- Types of roads
- Construction of cement concrete road.