

Second Year

CONSTRUCTION TECHNOLOGY**Second Year (P.C. 310/71)****Subject : Construction Practice Lab****Paper - I****Time : 3 Hours****Max. Marks : 50****Section - I****1 x 40 = 40 Marks**

1. Mark the layout for excavation for Single Room Building of Load bearing structure.
2. Arrange bricks for One and Half Brick thick wall in English Bond for 2.0m height.
3. Arrange bricks for One and Half Brick thick wall in Flemish Bond for 2.0m height.
4. Arrange bricks for Two Brick thick pillar for 1.5m height.
5. Place the reinforcement in a R.C.C Lintel of span 1.5m.
6. Show the shuttering arrangement for R.C.C Staircase and explain the procedure.
7. Place the reinforcement for the Staircase and explain.
8. Prepare Lap Joint with the given wooden sample.
9. Prepare Dowetail Joint with the given wooden sample.
10. Erect Single Scaffolding and write the procedure.
11. Erect Double Scaffolding and write the procedure.

Section - II

Record

5 Marks

Viva Voce

5 Marks

CONSTRUCTION TECHNOLOGY**Second Year****MODEL QUESTION PAPER****Subject : Construction Practice Lab****Paper - I****Time : 3 hours****Max. Marks : 50****Section - I****1 x 40 = 40 Marks**

6. Show the shuttering arrangement for R.C.C Staircase and explain the procedure.

Section - II

Record

5 Marks

Viva Voce

5 Marks

Note : The serial numbers of the questions mentioned in are the serial numbers in question bank. In practical examination only the serial number of the questions will given, the examiner shall decode it with question bank and give the questions.

CONSTRUCTION TECHNOLOGY**Second Year**

PRACTICAL SCHEME OF VALUATION

Subject : Construction Practice Lab**Paper - I**

Time : 3 hours**Max. Marks : 50**

Section - I**(1 x 40 = 40 Marks)**

Aim equipment and material required	:	5 Marks
Procedure and Tabular formula	:	10 Marks
Recording and Observations	:	15 Marks
Calculations	:	5 Marks
Result	:	5 Marks

Section - II

Viva	:	5 Marks
Record	:	5 Marks

CONSTRUCTION TECHNOLOGY**Second Year (P.C. 310/72)****Subject : Surveying Lab****Paper - II****Time : 3 Hours****Max. Marks : 50****Section - I****1 x 40 = 40 Marks**

1. Determine the difference in Levels between two given points by Simple Levelling.
2. Determine the Reduced Levels of the given points with reference to the given Bench Mark of RL 100.000m by differential levelling.
3. Establish a Bench Mark with reference to a Permanent Bench Mark of R.L 100.000m by Fly Levelling.
4. Determine the Reduced Levels of the given points with reference to the given Bench Mark of RL 100.000m and check the accuracy by closing at the Bench Mark.
5. Plot the longitudinal profile for the given line of length of 100m with an interval of 10m.
6. Pot the Cross-Section for the given centre line of a road of length 100 m at an interval of 10m by taking R.L's of two points on either side of centre line.
7. Determine R.L of the Roof level of a building with reference to the given BM of R.L 100.000m.
8. Determine the difference in elevation between two given stations by Reciprocal leveling.
9. Conduct contour surveying for plotting the contours by method of squares for a given area.
10. Conduct contour surveying for plotting the contours by method of cross-sections for a given area.
11. Set out the centre line and width of foundation for excavation for a given drawing of one room building.

Section - II

Record

5 Marks

Viva

5 Marks

CONSTRUCTION TECHNOLOGY**Second Year**

MODEL QUESTION PAPER

Subject : Surveying Lab**Paper - II**

Time : 3 hours**Max. Marks : 50**

Section - I**1 x 40 = 40 Marks**

4. Determine the Reduced Levels of the given points with reference to the given Bench Mark of RL 100.000m and check the accuracy by closing at the Bench Mark.

Section - II

Record

5 Marks

Viva

5 Marks

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CONSTRUCTION TECHNOLOGY**Second Year****PRACTICAL SCHEME OF VALUATION****Subject : Surveying Lab****Paper - II****Time : 3 hours****Max. Marks : 50****Section I****(1 x 40 = 40 Marks)**

Aim equipment and material required	:	5 Marks
Procedure and Tabular formula	:	10 Marks
Recording and Observations	:	15 Marks
Calculations	:	5 Marks
Result	:	5 Marks

Section - II

Record	:	5 Marks
Viva	:	5 Marks

CONSTRUCTION TECHNOLOGY**Second Year (P.C. 310/73)****Subject : Autocad Lab****Paper - III****Time : 3 Hours****Max. Marks : 50****Section - I****1 x 40 = 40 Marks**

1. Draw a rectangle of size 10cmx6cm using line command with Cartesian co-ordinates and polar co-ordinates.
2. Draw a plan of single room building of size 6mx4m and show the details of doors and windows.
3. For a given one room building of size 12'x10' with two doors front and rear , draw front and rear steps of length 6' and width 2' also draw thresholds.
4. Draw the reinforcement details of a rectangular column.
5. Draw the reinforcement details of a rectangular beam.
6. Draw the reinforcement details of a RCC roof slab of size 5mx4m.
7. Draw the front elevation of the single room building.
8. Draw the plan of the single room and place the titles of views in the drawing using single line text.
9. Draw the plan and elevation and section of a single room building.
10. Draw the plan ,elevation of a two room building.
11. Draw the layouts of electrical water supply and sanitary lines for a given one bed room house.
12. Draw the layouts of electrical water supply and sanitary lines for a given two bed room house.

Section - II

Record

5 Marks

Viva

5 Marks

CONSTRUCTION TECHNOLOGY**Second Year****MODEL QUESTION PAPER****Subject : Autocad Lab****Paper - III****Time : 3 hours****Max. Marks : 50****Section - I****1 x 40 = 40 Marks**

3. For a given one room building of size 12'x10' with two doors front and rear , draw front and rear steps of length 6' and width 2' also draw thresholds.

Section - II

Record

5 Marks

Viva

5 Marks

Note : The serial numbers of the questions mentioned in are the serial numbers in question bank. In practical examination only the serial number of the questions will given, the examiner shall decode it with question bank and give the questions.

CONSTRUCTION TECHNOLOGY**Second Year****PRACTICAL SCHEME OF VALUATION****Subject : Autocad Lab****Paper - III****Time : 3 hours****Max. Marks : 50****Section - I****1 x 40 = 40 Marks**

Aim	:	5 Marks
Procedure	:	15 Marks
Performance	:	15 Marks
Result	:	5 Marks

Section - II

Record	:	5 Marks
Viva	:	5 Marks