



C16-C-405

6428

BOARD DIPLOMA EXAMINATION, (C-16)
OCT/NOV—2018
DCE—FOURTH SEMESTER EXAMINATION
CONSTRUCTION PRACTICE

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed **five** simple sentences.

1. What is soil exploration? State any four objectives of soil exploration.
2. State any three causes of dampness at basement level in a building.
3. Define the following terms :
 - (a) Course
 - (b) Closer
 - (c) Stretcher
4. State any three advantages of steel windows over other windows.
5. Draw a neat diagram of king post truss and name the parts.
6. What is spiral staircase? Where is it used?
7. State any four objectives of form work.
8. List any six protective and decorative finishes of buildings.
9. How do you prepare the surface for distempering?
10. List out the solar energy utilities.

PART—B

10×5=50

- Instructions :** (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11.** Explain the procedure for laying the dampproof course at the basement.
- 12.** Draw a neat sketch of well foundation and explain the method of construction.
- 13.** State the general principle to be observed during brick masonry construction?
- 14.** Describe the methods of manufacturing of flush doors. Draw a neat sketch of solid core flush door. 2+7=10
- 15.** (a) Explain the method of construction of tiled flooring.
(b) Explain the method of construction of mosaic flooring. 5+5=10
- 16.** Explain the arrangement of framework for a column with a neat sketch.
- 17.** What is meant by termite proofing? Explain the method of anti-termite treatment for the soil before construction of building. 2+8=10
- 18.** Define and explain building energy management system. 2+8=10
