



c16-c-405

6428

BOARD DIPLOMA EXAMINATION, (C-16)
AUGUST/SEPTEMBER—2021
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. List the component parts of a building.
- 2. State any three effects of dampness at basement level.
- 3. List any three advantages pre-cast concrete masonry.
- 4. State any three functions of lintels.
- 5. State any three functions of roof.
- 6. What are the different types of stairs based on geometry?
- 7. State any three advantages of tubular scaffolding.
- 8. State any three objectives of plastering.
- 9. List the different types of pointing.
- 10. State any three objectives of green buildings.

*

PART—B

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

- 11.** State the rules for minimum depth, width of foundation and thickness of concrete bed for spread footing foundation. 10
- 12.** What are under-reamed piles? Explain the construction of under-reamed piles with the help of a neat sketch. 10
- 13.** Explain about the different types of ashlar masonry with help of sketches. 10
- 14.** Explain the following types of doors : 5+5
(a) Panelled door
(b) Collapsible door
- 15.** Explain with sketches (a) King post truss and (b) Queen post truss. 5+5
- 16.** (a) List the different types scaffolding. 2
(b) Explain tubular scaffolding with a neat sketch. 8
- 17.** Explain the method of painting on new wooden surfaces. 10
- 18.** Define and explain building energy management system. 10

★ ★ ★

*

*