1103

1105

Code : 15AR54D

Register Number

V Semester Diploma Examination, April/May-2018

BUILDING CONSTRUCTION AND DRAWING-III

Time : 4 Hours] **[Max. Marks : 100**

Note : (i) Answer any **eight** questions from Part – **A**.
(ii) Answer any **three** questions from Part – **B**.

PART – A

1. Define plastering & discuss the purpose of plastering. **5**
2. Distinguish between two coat and three coat plastering. **5**
3. List the different sources of dampness. Explain any two. **5**
4. What are the requirements of good partition wall ? **5**
5. Explain aluminium partition wall with neat sketch. **5**
6. List the requirement of good form work. **5**
7. What is shoring ? Explain briefly any two types of shoring with sketch. **5**
8. Sketch form work for column and label the parts. **5**
9. Explain the construction method of exposed grid false ceiling with neat sketch. **5**
10. What is suspended ceiling ? Discuss its advantages. **5**
11. What is wall paneling ? Discuss its advantages. **5**
12. Write note on curtain wall. **5**

[Turn over

PART – B

13. Draw aluminium partition wall measuring 5m × 3m for an office to a scale 1 : 20. Assume all necessary data suitably. Prepare the following views : **20**

    (a) Plan

    (b) Elevation

    (c) Sectional elevation

    (d) Any one fixing details to an enlarged scale.

14. Draw false ceiling for an Architect's office of size 6m × 5m with 4.0m ceiling height. Assume necessary data. Prepare the following views to a scale 1 : 20. **20**

    (a) Reflected ceiling plan with artificial lighting.

    (b) Sectional elevation.

    (c) Any one joint details to an enlarged scale.

15. Draw wall panelling using teak wood panels for a wall of size 4.0 m wide and 3.0 m height to 1 : 20 scale. Assume necessary data required. **20**

    Draw the following views.

    (a) Sectional plan

    (b) Elevation

    (c) Sectional elevation

    (d) Any one joint details to an enlarged scale.

16. (a) Draw sectional elevation of damp proofing at roof level to a suitable scale. **10**

    (b) Prepare a sketch of Raking shore to a suitable scale. **10**

17. Design and draw structural glazing for a commercial building wall of size 5.0 m × 6.0 m to a suitable scale. Assume necessary data and prepare the following views : **20**

    (a) Plan

    (b) Elevation

    (c) Sectional elevation