

1110**Code : 15AR54D**Register
Number

A	R	1	6	0	3	8			
---	---	---	---	---	---	---	--	--	--

V Semester Diploma Examination, Nov./Dec.-2018**BUILDING CONSTRUCTION & 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.
 - (iii) Assume suitable data wherever required.

PART – A

1. List the different methods of plastering and explain any two. 5
2. Distinguish between plastering and pointing. 5
3. What are the effects of dampness ? 5
4. List the advantages of partition wall. 5
5. Explain brick partition wall with neat sketch. 5
6. Define shoring. Explain any one type with neat sketch. 5
7. Distinguish between steel and wooden form work. 5
8. What is suspended ceiling ? Mention its advantages. 5
9. Explain the construction methods of exposed grid false ceiling with neat sketch. 5
10. What are the necessities of Retaining wall ? 5
11. Write short note on shell structures. 5
12. What are the advantages of pre-fabricated structures ? 5

PART – B

13. Prepare a detailed drawing of partly glazed wooden partition to a room of size 5.0 × 3.0 m with provision for a door of 900 × 2100 mm.
Draw the following to a scale of 1:10.
 - (a) Plan 5
 - (b) Elevation 5
 - (c) Section 5
 - (d) One enlarged detail 5

14. A living hall measuring 4.0×6.0 m with the floor height 3.0 m is to be provided with false ceiling using G.I. sections and gypsum board.

Draw the following to a scale 1:20 :

- | | |
|------------------------------|---|
| (a) Reflected Ceiling Plan | 8 |
| (b) Section | 8 |
| (c) Any one enlarged detail. | 4 |

15. Draw wall panelling of size 3.0 m wide & 3.0 m height using industrial timber.

Draw the following to a scale of 1:10 :

- | | |
|-------------------------|---|
| (a) Plan | 5 |
| (b) Section | 5 |
| (c) Elevation | 5 |
| (d) One enlarged detail | 5 |

16. Draw sectional elevation of damp proofing at foundation and floor level to a scale of 1:10.

20

17. Design structural glazing of size 2.0×3.0 m for a corporate office to a scale of 1:10.

Draw the following :

- | | |
|-------------------------|---|
| (a) Plan | 5 |
| (b) Elevation | 5 |
| (c) Section | 5 |
| (d) One enlarged detail | 5 |