



Code : 15CE34T

Register  
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III Semester Diploma Examination, Oct./Nov.-2019

## CONSTRUCTION TECHNOLOGY

Time : 3 Hours ]

[ Max. Marks : 100

- Instructions :** (i) Part – A, answer any **six** questions. Each question carries **5** marks.  
(ii) Part – B, answer any **seven** questions. Each question carries **10** marks.

### PART – A

1. Define safe bearing capacity of soil. List the bearing capacity of any three types of soils. 5
2. Briefly explain raft foundation with a neat sketch. 5
3. What are the causes of dampness in building. 5
4. Explain the method of laying stone cladding for facing of walls. 5
5. Explain briefly RCC lintel with Chejja. 5
6. Write short note on escalators. 5
7. Explain the method of cement plastering on external wall for a thickness of 20 mm. 5
8. Explain the brief procedure of painting with dry distemper. 5
9. List earthquake zones of India with their zone factor. 5

## PART - B

10. Explain the procedure for determination of safe bearing capacity of soils by plate load test. 10
11. (a) Define foundation. What is the purpose of providing of a foundation ? 5  
(b) What are the precautions taken for the safety of foundations in black cotton soils ? 5
12. (a) Explain with a neat sketch brick partitions. 5  
(b) Define cavity wall. Write its advantages. 5
13. (a) Explain any one with sketch : 5  
(i) Header bond  
(ii) Garden wall bond  
(b) Differentiate between Ashlar masonry and rubble masonry. 5
14. (a) Explain with a neat sketch sliding door. 5  
(b) List different types of windows. 5
15. (a) Define the following terms : 5  
(i) Landing  
(ii) Nosing  
(iii) Winders  
(iv) Newel post  
(v) Hand rail  
(b) What are the advantages of flat roof over pitched roof ? 5
16. (a) What are the characteristics of good flooring material ? 5  
(b) Write merits and demerits of concrete flooring. 5
17. Explain the procedure for weather proofing for flat roofs. 10
18. Explain with a neat sketch Raking or inclined shore. 10
19. (a) What are the reasons for providing ventilators in buildings ? 5  
(b) Explain preconstructive antitermite treatment to buildings. 5
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