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Question Paper Code: 31132

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2016

Third Semester

Civil Engineering

01UCE302 - CONSTRUCTION TECHNIQUES AND PRACTICES

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. What is mean by grade of concrete?
2. List the function of admixtures?
3. What is damp proof course?
4. Define bond and list the different types of bond in brick masonry.
5. What are the types of paints?
6. Name the items used for termite proofing.
7. State rehabilitation of building?
8. What is meant by crazing?
9. What are the operations carried out with grader?
10. List the equipment used for dewatering.

PART - B (5 x 16 = 80 Marks)

11. (a) Illustrate the process carried out in ready mix concrete. (16)

Or

(b) Describe any two types of NDT. (16)

12. (a) Identify the suitable types of foundation for hard and soft strata with neat sketches. (16)

Or

(b) (i) Describe the type of scaffoldings with neat sketches. (8)

(ii) List the general principle followed in the construction of brick masonry. (8)

13. (a) Explain about the fire protection techniques used in buildings. (16)

Or

(b) Explain acoustic techniques used in buildings. (16)

14. (a) Narrate various causes and damages in buildings. (16)

Or

(b) Discuss about some common types of repairs in buildings. (16)

15. (a) Explain about

(i) compacting equipments (8)

(ii) equipments for placing of concrete (8)

Or

(b) Explain briefly about the following

(i) pile driving equipments (8)

(ii) equipments for erection of structures (8)