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**Question Paper Code: 31312**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 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. What is meant by admixture give examples?
3. What is damp proof course?
4. Define slip forms.
5. What are the types of paints?
6. Name the items used for termite proofing.
7. What are the causes for cracks?
8. What is mean by grouting?
9. Name the equipments used for foundation and pile driving.
10. List the equipment used for dewatering.

PART - B (5 x 16 = 80 Marks)

11. (a) Explain in details about processes involved in the manufacturing of RMC. (16)

Or

(b) List various methods used for fresh and hardened concrete. Explain any two methods for each type of concrete. (16)

12. (a) Explain the various bonds in brick masonry. (16)

Or

(b) Explain the types of foundation. (16)

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

Or

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

14. (a) Explain briefly about assessment procedure for evaluating damaged structure. (16)

Or

(b) Explain in detail about the various repair techniques adopted for a damaged brick structure. (16)

15. (a) Explain the equipments used for compaction. (16)

Or

(b) Explain the equipments used for dredging. (16)