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Question Paper Code: 31012

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2015.

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 do you mean by portland cement?
2. Define: NDT.
3. Define: Masonry.
4. Write about damp proof course.
5. What is the need for termite proofing?
6. How will you do thermal insulation in buildings?
7. What are the causes of damage in buildings?
8. Define: Grouting.
9. Name some equipments used for compaction.
10. List out various types of earthwork equipments.

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) Write about the various types of flooring in detail. (16)
- Or
- (b) Discuss about the construction and expansion joints in detail. (16)
13. (a) Write about
- (i) Thermal insulation in buildings. (8)
- (ii) Fire protection in buildings. (8)
- Or
- (b) Explain the process carried out in
- (i) Sound Insulation. (8)
- (ii) Termite proofing. (8)
14. (a) Narrate various causes and damages in buildings. (16)
- Or
- (b) Discuss about some common types of repairs in buildings. (16)
15. (a) Write about the various types of batching and mixing equipment. (16)
- Or
- (b) Explain about the various types of piles used in foundation. (16)
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