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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, April / May 2014

CIVIL ENGINEERING BRANCH

IV Semester

CE 282 / CE 9252 & Construction Techniques and Practices

(Regulation 2004 / 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What are called Accelerators?
2. What are the variables in proportioning of concrete?
3. What are the types of combined footings?
4. What are the types of roof?
5. What are the ingredients of paint?
6. What are the causes of fire?
7. State the classifications of Maintenance Work.
8. What are called plastic cracks?
9. Briefly Explain Concrete vibrators.
10. What are the uses of jacks in construction?

Part – B (5 x 16 = 80 marks)

11. i. Write notes on Rebound Hammer Test (8)
ii. Write in detail about High Grade cements (8)
12. a. i. Write in detail about classification of stone masonry (8)
ii. Write in detail about Scaffolding (8)

(OR)

- b. i. What do you mean by underpinning? Explain. (8)
- ii. Write in detail about Formwork (8)

- 13. a i. Explain the different Termite treatment methods. (8)
- ii. Write in detail about the disasters that can happen due to fire. (8)

(OR)

- b) i. Write in detail about Varnishing. (8)
- ii. State the common rules to be followed during construction for natural ventilation. (8)

- 14 a) i. State and explain the reasons for damage occurrence in concrete and other structural components. (8)
- ii. Write in detail about Repair Management (8)

(OR)

- b) i. Explain in detail about Cracks in concrete (8)
- ii. Write in detail about the materials required for repair works (8)

- 15. a) i. Write in detail about Earthwork equipments. (8)
- ii. Write detailed notes on selection of Material handling equipments. (8)

(OR)

- b) i. Explain in detail about Pumps used in construction (8)
- ii. Explain in detail about Concrete Mixing its machinery requirement (8)