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Register Number:

Name of the Candidate:

B.Sc. DEGREE EXAMINATION December 2014

(CONSTRUCTION MANAGEMENT)

(FIFTH SEMESTER)

550: CONSTRUCTION EQUIPMENT AND MATERIALS MANAGEMENT

Time: Three hours

Maximum: 75 marks

Answer ONE FULL question from each UNIT

(5 × 15 = 75)

UNIT-I

1. a) What are the factors influencing selection of equipment?
b) Briefly explain (i) Maintenance management (ii) Depreciation analysis.
- (OR)
2. Briefly explain about (i) equipment management in construction projects.
(ii) Safety management (iii) Job planning.

UNIT-II

3. a) What are the factors governing the selection of equipment for earth work?
b) Write short notes on: tractors, motors and graders.
- (OR)
4. Briefly discuss about (i) scrapers (ii) Front end loaders (iii) Earth movers

UNIT-III

5. Write short notes on (i) Screening equipment (ii) Crushers (iii) Handling equipment.
- (OR)
6. a) Briefly explain about batching and mixing equipment.
b) Write short notes on pouring and pumping equipment with neat sketch.

UNIT-IV

7. Write short note on construction and operating principle of trencher with neat sketch.

(OR)

8. Briefly explain

- i) Drilling and Blasting equipment.
- ii) Erection equipment

UNIT-V

9. Briefly explain the operating principle of dewatering and grouting equipment?

(OR)

10. Write short notes on Forklifts, load bearing piles, conveyors.
