Roll No

MVCT-203

M.E./M.Tech., II Semester

Examination, June 2013

Construction Equipment and Material Management

Time: Three Hours

Maximum Marks: 70

Note: i) Attempt all questions.

ii) All questions carry equal marks.

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14

Unit - I

1. List down the important elements of planning and discuss the importance of planning in the construction equipment and material management.

OR

2. List down the factors which affect the selection of a construction equipment. 14

Unit - II

3. How is the size of a power shovel selected in a project? Define the output of a power shovel and list down the factors which affect the output.

OR

- 4. Compare the followings:
 - Cable controlled bulldozer and Hydraulic controlled bulldozer.
 - ii) Wheel mounted bulldozer and crawler mounted bulldozer...

Roll No

14

Unit-III

5. List down the factors which affect the economic life of an equipment, discuss each factor in detail by assuming some data.

14

OR

6. Find out the fuel consumption (lit/hr) for a gasoline engine of 200HP which operates for 10sec. out of 40sec. Cycle time at its rated capacity and not more than one third of its rated capacity during the remaining period of the cycle. Also the engine is shut off 12 minutes during an hour.

Unit - IV

7. Discuss in details application of CPM in equipment management. Also the assignment model. 14

OR

- 8. Write short notes on:
 -) Transportation model in equipment management.
 - ii) Waiting line model & in equipment management.

Unit - V

9. Explain the importance, objective and functions of material management and also what is the scope material management. In construction Industries?

OR

10. What is A-B-C control policy of inventory bring out the salient features and various Advantages obtained by it. 14
