

MVCP/MVCT - 203
M.E./M.Tech., II Semester

Examination, June 2014

Construction Equipment and Material Management

Time : Three Hours

Maximum Marks : 70

Note : i) Answer any five questions.
ii) All questions carry equal marks.

1. a) What are advantages of mechanization of construction industry?
b) Explain the factors affecting selection of construction equipment.
2. Write down the operation and application of the following construction equipments.
Also draw neat sketches:
a) Excavating equipment (any one)
b) Hoisting equipment (any one)
3. a) Write down the various factors affecting output of a power shovel. How output of power shovel can be improved?
b) Discuss in brief elevators and conveyors. Discuss their uses in projects.
4. a) Explain the declining balance method of depreciation accounting.
b) Discuss various problems of equipment management.

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5. a) Price of the equipment is Rs 10,000. The useful life is 5 years. There is no scrap value for the equipment. Find out the average annual cost of the equipment and also find out percentage of average cost (annual) to the original cost.
b) Explain the various factors affecting operating cost of an equipment.
6. a) Discuss in detail application of CPM in equipment management.
b) Write note on transportation model and waiting line models in equipment management.
7. a) Discuss the role and functions of management and budgeting variations.
b) Explain various stages of materials management.
8. Write detailed note on any two of the following:
a) Merits of labour intensive construction
b) Aggregate processing plant.
c) Application of the assignment model
d) Purchasing parameters and inter relationships.

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