

Roll No

MBCT - 302(C)

M.E./M.Tech. III Semester

Examination, June 2016

Construction Equipment and Material Management

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. What are different factors to be considered while selecting the construction equipment? Discuss them in detail.
2. a) What are the advantages of mechanization of construction? Describe them.
b) Discuss the cycle time, capacity ratings and output of Excavators.
3. Discuss power shovels and Aggregate processing plant.
4. State and describe the factors affecting the economic life of an equipment discuss each factor in detail by assuming some data.
5. a) Discuss problems of equipment management.
b) Discuss applications of CPM in equipment management.

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

7. Explain the following in detail :

- a) Transportation model in equipment management.
- b) Special purchasing systems.

8. Write short notes on the following :

- a) Merits of labour intensive construction
- b) Capacity ratings and output of compactors
- c) Waiting line model in equipment management
- d) A-B-C analysis
