

Roll No

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

Examination, June 2016

Construction Equipment and Material Management

Time : Three Hours

Maximum Marks : 70

Note: Total number of questions eight. Attempt any five questions.
Assume missing data, if any suitably.

1. Explain constitutional provisions relating to construction industry. 14
2. What are the basic parts of a bulldozer? Describe its operation. What are the different types of bulldozers? 14
3. Show the basic parts of a draglines on a neat sketch and also describe its operation. What are the various factors affecting its output. 14
4. Briefly explain the following terms : 14
 - a) Depreciation cost
 - b) Investment cost
 - c) Cost of fuel and Lubricants
 - d) Servicing and field repairs

5. Briefly explain the following : 14
 - a) Application of CPM in equipment management.
 - b) Transportation model in equipment management.
6. Explain the following : 14
 - a) Stages of materials management.
 - b) ABC analysis.
7. Explain in brief the purchasing parameters and inter relationships of material management. 14
8. Write short notes on any four of the following : 14
 - a) Special purchasing systems
 - b) Scrap disposal
 - c) Labour intensive
 - d) Power shovels
 - e) Scrapper
 - f) Production plants
