

B.Tech. Degree VI Semester Examination ***June 2005***

CE 604 (B) CONSTRUCTION EQUIPMENTS AND MATERIAL MANAGEMENT *(2002 Admissions)*

Time: 3 Hours

Maximum Marks: 100

- I. (a) Discuss the factors affecting the output of a power shovel. (15)
(b) Describe about the different types of cranes used for hoisting purposes. (10)
- OR**
- II. (a) Explain the basic parts of the following excavating equipments and their operations : (10)
(i) Power shovel (ii) Drag line
(b) What is the use of a belt conveyor and what are its essential parts? (15)
Explain with sketches.
- III. (a) Explain the blasting operations and show the sketches for various arrangements of (10)
blasting operation.
(b) Write short notes on : (15)
(i) Jaw crusher (ii) Cone crusher
(iii) Roll crusher
- OR**
- IV. (a) Describe the drift method of tunneling in rock. State its merits and demerits. (15)
(b) How will you determine the economic life of an equipment? Show by an example. (10)
- V. (a) Discuss the important aspects to be considered for material procurement management. (15)
(b) List down the objectives and functions of store management. (5)
(c) Write short notes on security deposit. (5)
- OR**
- VI. (a) Explain main considerations necessary in storing and stacking of common civil (15)
engineering materials.
(b) Explain a tender notice. (5)
(c) Write shot notes on LIFO and FIFO system of issue of materials. (5)
- VII. (a) What is A.B.C Control policy of inventory? Bring out the salient features and various (15)
advantages obtained by it.
(b) Write short notes on : (10)
(i) Route selection, Rate clarification and Auditing
(ii) Cost of inventory carrying.
- OR**
- VIII. (a) Describe the objectives and functions of inventory control management. (10)
(b) Differentiate between A.B.C and VED analysis of inventory. (15)

