

Paper ID [IE509]

(Please fill this Paper ID in OMR Sheet)

M. Tech.

MATERIAL MANAGEMENT (IE - 509)

Time : 03 Hours

Maximum Marks : 100

Instruction to Candidates:

- 1) Attempt any **Five** questions.
- 2) **All** questions carry equal marks.

- Q1)* Discuss the scope and importance of material management with respect to industry.
- Q2)* What is economic order quantity? How does it help the purchase executive in reducing the purchase cost? Explain.
- Q3)* Discuss the various quality consideration in purchasing the materials.
- Q4)* Write a detailed note on inventory management system.
- Q5)* Discuss the two concepts of inventory control. On which of them the material manager of small size industrial unit should put his reliance? Give reasons.
- Q6)* An item is produced at the rate 128 per day. Annual demand is 6400 units. Setup cost of production run is Rs. 24 and holding cost is Rs. 3 per unit per annum. There are 250 working days for production each year. Develop an inventory policy for this item.
- Q7)* Describe the procedure for ABC analysis. Bring out the merits and demerits of ABC analysis.
- Q8)* Write notes on:
- (a) Simulation models for inventory analysis.
 - (b) Periodic order quantity.

