

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(ME) (Sem.-3)
PRODUCTION PLANNING & CONTROL
Subject Code : MME-523
M.Code : 38217

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTION TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1. Define the scope of the field of production planning and control. What are the various functions which this field has to cover and perform? Discuss.
2. What is the procedure for conducting market survey before a product development and how this survey helps in designing and developing a product? Discuss.
3. What is the significance of standardization, simplification and specialization in product development and design? Discuss with suitable examples.
4. What is inventory control? Derive the expression for economic order quantity (EOQ) for quantity discount.
5. a) What are the different types of inventory costs? Bring out their role and importance in inventory models.
b) Supply of a special component has the following price schedule.
0-99 items: Rs. 1000/- per unit
100 items and above: Rs. 950/- per unit
The inventory holding costs are estimated at 25% of the value of inventory. The procurement cost works out to be Rs. 2000/- per order. If the annual requirement of this component is 300, compute the economic order quantity for the procurement of these items.
6. What is value analysis and how does it differs from value engineering? Explain in detail.
7. What is meant by scheduling? Discuss loading and scheduling is an essential part of production control.
8. Write detailed notes on :
 - a) ABC analysis.
 - b) Master schedule.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.