5762/D21/PMBA12   NOVEMBER 2018

OPERATIONS MANAGEMENT

Time : Three hours   Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. What is Operations management? List out the functions of operations management.

2. Discuss the steps in product design and process selection.

3. What is assembly line balancing? Discuss the merits and demerits of assembly line balancing.

4. Explain the problems in Material Requirement Planning and Capacity Requirement Planning.

5. Write short notes on :

   (a) Safety stock

   (b) Service level

   (c) KANBAN.

6. A manufacturer has supply his customer with 600 units of his product per year. Shortages are not allowed and shortage cost amounts to 60 paise per unit per year. The set up cost is Rs.80. Find :

   (a) EOQ

   (b) Minimum Average yearly cost

   (c) Optimum number of order per day

   (d) Optimum period of supply per optimum order.

7. Explain the ISO quality Certification and types.

8. Explain the steps involved in Total Quality Management.

9. Discuss the various purchase functions and procedure.

10. Write note on :

   (a) JIT

   (b) O.C.Curve

   (c) Process Design.