

2020**B.B.A.****[HONOURS]****(Production & Materials Management)****Paper : BBA-2.4**

Full Marks : 80

Time : 4 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*Answer **Q.No.1** and any **five** from the rest.

1. Answer any **ten** questions : $2 \times 10 = 20$
- State the assumptions of EOQ.
 - What is meant by Bill of Materials?
 - What are the different types of control charts?
 - State two benefits of inventory control.
 - Define time study.
 - What is Capacity Planning?
 - What is Method Study?

- What do you understand by Close-loop MRP?
 - What is Productivity?
 - Define Production Management.
 - What is codification?
 - What is meant by 'value analysis'?
 - What is meant by selective inventory control?
 - What is FSN?
 - Why do you need demand forecasting?
2. a) Define "statistical quality control". State its benefits.
- b) Based on 15 sub-groups each of size 200 taken at intervals of 45 minutes from a manufacturing process, the average fraction defective was found to be 0.068. Calculate the values of Central Line and the control limits for a p-chart. $6+6=12$
3. a) Discuss the need for inventory management.
- b) Explain the concept of "Just-in-Time (JIT)".
- c) A company produces 15625 units of raw materials @Rs.12 per unit to meet its entire annual requirements. The order cost comes

to Rs.60 per order and inventory carrying cost is Rs.1.20 per unit. Find out EOQ.

$$5+3+4=12$$

4. a) How do you measure capacity?
b) State the process of capacity planning.
 $6+6=12$
5. a) Define plant location.
b) State the need for selecting a suitable plant location.
c) Discuss the factors that influence plant location.
 $2+5+5=12$
6. What is inventory control? Discuss its objectives and importance.
 $2+5+5=12$
7. Write short notes on: $4 \times 3 = 12$
a) Production Planning and Control (PPC)
b) Material Requirement Planning (MRP)
c) 5-R.
8. What is plant layout? What are the factors that are borne in mind while deciding upon plant layout?
 $2+10=12$
9. What is inspection? What are the major objectives of inspection? Discuss in brief the problems of inspection.
 $2+5+5=12$

10. a) Define method study.
b) State the steps involved in implementing method study. $2+10=12$