

**Reg. No. :** .....

**D 516**

**Q.P. Code : [11 DMB 16]**

(For the candidates admitted from 2011 onwards)

**M.B.A./EXECUTIVE M.B.A. DEGREE  
EXAMINATION, MARCH 2021.**

**First Year / First Semester**

**OPERATIONS MANAGEMENT**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

**All questions carry equal marks.**

**(5 × 20 = 100)**

1. What is Operations Management? Explain the functions of Operations Management.
2. Discuss the types of production system in detail.
3. Explain the types of plant layout with merits and demerits.
4. Outline the problems in Material Requirement Planning and Capacity Requirement Planning.

5. Discuss the elements and features of just in time system.
  6. What are control charts? Explain the steps in the construction of control charts.
  7. Annual demand is 24000 units. Orderly cast is Rs. 2,000 per order. Currying cost per unit per year is 10% of purchase price. Purchase price per unit is Rs. 200. Find economic order quantity, number of orders per year and time between successive orders.
  8. Write short notes on :
    - (a) Agile Manufacturing Systems (10)
    - (b) Computer Integrated Manufacturing Systems. (10)
-