

(DBUS22)

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**M.B.A. DEGREE EXAMINATION, MAY – 2018**

**Second Year**

**OPERATIONS MANAGEMENT**

**Time : 3 Hours**

**Maximum Marks :70**

**SECTION - A**

**Answer any three of the following questions.** (3 × 5 = 15)

- Q1)** a) Deterministic model  
b) Quality assurance  
c) Advantages of batch production  
d) Material handling  
e) Purchase system  
f) Product selection

**SECTION - B**

**Answer any three of the following questions.** (3 × 15 = 45)

- Q2)** Define operations management. What are its functions?  
**Q3)** Discuss in detail about facilities layout.  
**Q4)** Explain in detail the concept of mass production.  
**Q5)** Write a detailed note on planning and control of project.  
**Q6)** What is the significance of inventory management and control?  
**Q7)** Write a detailed note waste management techniques.

**SECTION - C**

**(Compulsory)**

**(10)**

**Q8)** Case Analysis:

A company uses annually 50,000 units of an item costing at the rate of Rs.1.20 per unit. It operates 250 days in a year and procurement time is 10 days. Each order cost is Rs.45 and inventory carrying cost is 15% of the annual average inventory value. If the safety stock is 500 units. Find EOQ, re-order level, maximum and minimum inventory levels.

