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Total No. of Questions : 07]

[Total No. of Pages : 02

MBA (Sem. - 2nd)

PRODUCTION AND OPERATIONS MANAGEMENT

SUBJECT CODE : MB - 202 (2k8 & Onwards)

Paper ID : [C0174]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.

Section - A

Q1)

(10 × 2 = 20)

- a) What is meant by inventory?
- b) What is meant by Six-sigma?
- c) What is acceptance sampling?
- d) Give various objectives of plant layout.
- e) Give differences between batch production system and mass production system.
- f) What is meant by Capacity Planning?
- g) List various factors being considered for location analysis.
- h) What is meant by 'virtual factory'?
- i) Give the measures of productivity.
- j) Give two advantages and two disadvantages of inventory.

Section - B

(4 × 10 = 40)

- Q2)** What is the function of a buffer stock? Explain Economic order quantity.
- Q3)** What is Work study? Explain the role of work study in increasing productivity.
- Q4)** A manufacturer has annual consumption of 40,000 units. The ordering cost is Rs. 200 per order, carrying cost is 15%, unit cost is Rs. 80. Lead time is constant equal to one month.
Calculate EOQ, Total Cost and Reorder-level.
- Q5)** What are the objectives and functions of Purchasing management?
- Q6)** Name different types of layouts. What are the factors affecting layout decisions?
- Q7)** (a) What is total quality management?
(b) Explain Value analysis.

