

[Total No. of Questions - 11] [Total No. of Printed Pages - 2]
(2123)

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MBA 2nd Semester Examination
Production and Operations Management (N.S.)
MBA-205

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : The question paper will consist of THREE sections A, B and C.

- (i) Section A will contain TEN short note type questions carrying 2 marks each. In this section all the questions are COMPULSORY.
- (ii) Section B will contain SIX short answer type questions carrying 5 marks each, out of which student has to answer ANY FOUR.
- (iii) Section C will contain FOUR Essay type Questions of 10 marks each, out of which student has to answer ANY TWO.

SECTION - A (Compulsory)

1. (i) What is a job production system?
- (ii) Differentiate between Mass and Process types of production systems.
- (iii) What does six sigma signify ?
- (iv) Write any four cost factors that encourage companies to carry large inventories.
- (v) Write any four cost factors that discourage companies from carrying large inventories.
- (vi) Define reorder point.
- (vii) Define an operator process chart.
- (viii) What is a plant layout?

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- (ix) What is lead time?
- (x) What role does lead time play in the determination of EOQ?
(2×10=20)

SECTION - B

Attempt any Four, 5 marks each

- 2. "The management of transformation process of inputs into outputs is production management." Discuss.
- 3. What is product design? What are its various aspects? Briefly explain the characteristics of product design.
- 4. What is capacity planning? What factors affect it?
- 5. Explain in brief any two systems of inventory classification.
- 6. What is EOQ? Derive a formula for its determination.
- 7. What is value analysis? When should a company apply value analysis? How does it differ from value engineering? (4×5=20)

SECTION - C

Attempt any TWO, 10 marks each

- 8. Compare among job production, batch production, and flow production and examine their comparative merits and demerits with the help of suitable examples. What type of production system would you like to recommend for (i) an industrial unit manufacturing drugs, and (ii) another manufacturing motor cycles ?
- 9. Explain the major duties and responsibilities of an Operations manager in a large manufacturing enterprise. In what respects will the duties be different if it is a service organization?
- 10. What is meant by plant layout ? Differentiate between a product and a process layout. What are the conditions for which each type is appropriate? How is materials handling related to plant layout? Explain with examples.
- 11. What are the main objectives of efficient purchasing? Discuss the various purchasing activities and procedures. (2×10=20)