

(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 1272/7114**

Roll No.

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**M. B. A.****(Semester-~~V~~<sup>II</sup>) Even Semester Theory Examination, 2012-13****PRODUCTION & OPERATION MANAGEMENT***Time : 3 Hours]**[Total Marks : 100**Note : Attempt questions from each Section as per instructions.***SECTION - A**Attempt *all* parts of this question in 50-75 words each. Each part carries 2 marks.  $2 \times 10 = 20$ 

1. (a) Give the concept of production management.
- (b) What are the main differences between goods and services ?
- (c) Why is plant location considered as cost irreversible decision ?
- (d) Describe the meaning of intermittent technologies.
- (e) What are the four types of inventory ?
- (f) Give the brief concept of PPC.
- (g) Describe the PDCA cycle.
- (h) What is the meaning of TQM ?
- (i) Describe the concept of TPM.
- (j) What are the main differences between breakdown and preventive maintenance ?

**SECTION - B**Attempt any *three* parts of this question in about 200 words each. Each part carries 10 marks. $10 \times 3 = 30$ 

2. (a) Describe the input output model in production management. What are the main features of this subject ?
- (b) What is the meaning of process layout? Describe its principles of grouping.
- (c) Derive the EOQ model. What are the assumptions of this model?
- (d) Describe the concept of six sigma. Why is this model not used in practice?
- (e) Describe the concept of maintenance management. Also discuss its objective and scope.

### SECTION -C

Attempt *all* questions of this Section in about 500 words. Each question carries 10 marks.

10×5=50

3. What is systems approach to production and operations management? Describe the difference between production and operations management.

**Or**

Describe the evolution of operations management from production management. Is operations management inclusive of production function and operations function?

4. Describe main factors governing plant locations. Also describe the main difference between agglomerating and deglomerating factors.

**Or**

Describe product layout in detail. How is it different from process and fixed layout?

5. A factory uses a part at the rate of 2,000 units per year. Cost of that part is Rs. 2. Ordering cost is Re. 1 while carrying cost is 10% of cost of that product. What should be the optimum order quantity.

**Or**

Describe the concept of MPS. How is it related to JIT?

6. What is the concept of Kaizen? Describe main features.

**Or**

Describe the concept of ISO. Describe its subparts.

7. Describe the concept of maintenance. Why is maintenance considered as most important in any organization?

**Or**

Describe the concept of TPM. How is it different from traditional maintenance management ?