

Total No. of printed pages = 4

47(3) POMN 3.4

2012

**PRODUCTION AND OPERATIONS
MANAGEMENT**

Paper : 3.4

Full Marks – 80

Time – Three hours

The figures in the margin indicate full marks
for the questions.

1. Fill in the blanks : 1×5=5
- (a) Plant location refers to the area or a place where the plant will operate to produce the _____.
 - (b) Factory layout _____ the material handling costs to the minimum extent possible.
 - (c) Storage costs occur due to the cost of warehousing the _____.
 - (d) Control chart is a proven technique for improving _____.

[Turn over

(e) Work study — the cost and time for manufacturing of the product.

2. State whether the following are true or false : $1 \times 5 = 5$

(a) In the continuous system, the items are produced for the stocks and not for specific orders.

(b) Process layout is adopted when products are standardised.

(c) Inventory control reduces the carrying cost of stock.

(d) The major input related factors involved in the location decisions are raw materials, human resources, capital and marketing.

(e) Dispatching involves issue of production orders for starting the operations.

3. Answer any *five* of the following : $2 \times 5 = 10$

(a) State two objectives of inspection.

(b) What is Method Study ?

(c) What is meant by Simplification of Product ?

(d) State two principles of material control.

(e) What do you mean by Pareto Chart ?

(f) What is Just-in-Time Layout ?

(g) State two objectives of location decision.

4. Answer any *five* of the following : $4 \times 5 = 20$

(a) Distinguish between Intermittent and Continuous Production System.

(b) Explain Scatter diagrams.

(c) State four advantages of Production Control.

(d) Distinguish between Job and Batch Production.

(e) State four objectives of Inventory Control.

(f) State two merits of Halsey Plan.

(g) State four objectives of Time Study.

5. Answer any *five* of the following : $8 \times 5 = 40$

(a) What is Production Control ? What are the objectives of Production Control ?

(b) What is meant by Quality Control ? State the advantages of Quality Control System.

- (c) What is purchasing ? Discuss the various methods of purchasing.
- (d) What is store keeping ? State the functions of a storekeeper.
- (e) What is Standardisation ? State three advantages and three disadvantages of Standardisation.
- (f) What do you mean by classification and codification of material ? Explain briefly three methods of codification.
- (g) What is Process Layout ? State the advantages and disadvantages of process layout.
- (h) Write short notes on :
 - (i) Production Planning
 - (ii) Work Study.