

Total number of printed pages-4

47(3) POMN 3-4

2014

**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) Time Study is also called _____ .
 - (b) _____ is a system for producing and delivering the right items, at the right time as required by the customer.
 - (c) Push system uses information about customers, suppliers and _____ to manage material flows.
 - (d) VED stands for Vital, Essential and _____ items.
 - (e) In process layout, the overhead costs are relatively _____ .

Contd.

2. State whether the following are *true or false*.

1×5=5

- (a) In the intermittent production system, same product is produced continuously.
- (b) In process layout, the overhead costs are relatively low.
- (c) Factory layout increases the material handling costs.
- (d) Group technology improves labour efficiency.
- (e) Plant layout is applicable to all types of industries or plants.

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

- (a) Define 'Method Study'.
- (b) What is 'Simplification of Product'?
- (c) Define 'Operation Management'.
- (d) Define 'EOQ'.
- (e) Define the term 'Layout'.
- (f) What is 'Brainstorming'?
- (g) Define 'Control Chart'.

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

- (a) State the advantages of codification.
- (b) State the objectives of work study.
- (c) State the advantages of Standardisation.
- (d) Distinguish between Push System and Pull System.
- (e) State *four* features of Group Technology.
- (f) State *four* main objectives of purchasing.
- (g) Distinguish between Job and Batch Production.

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 storekeeping? State the functions of a storekeeper.
- (c) What do you mean by classification and codification of material? Explain briefly *three* methods of codification.
- (d) Define Mass Production. State its advantages and disadvantages.

- (e) Define Centralized purchasing. State its relative advantages and disadvantages.
- (f) Define the term Production Management. State the primary objectives of production management.
- (g) What is Purchasing ? Explain the various methods of purchasing.
- (h) Write short notes on : *(any two)*
 - (i) Quality Control
 - (ii) Inventory Control
 - (iii) ABC Analysis.