

Total number of printed pages-4

47 (3) POMN 3-4

2013

**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) The primary objectives of Production Management are Quality, Quantity, \_\_\_\_\_ time.
- (b) Push system uses information about customers, suppliers and \_\_\_\_\_ to manage material flows.
- (c) In intermittent system, most products are produced in \_\_\_\_\_ quantities.
- (d) Time study, Method study and \_\_\_\_\_ study are the components of work study.

*Contd.*

(e) With the help of production control accountability and \_\_\_\_\_ should be fixed.

2. State whether the following are true or false.

(a) Capital investment is very high in Continuous Production System.

(b) Services may be perishable.

(c) In process layout, products are not standardized.

(d) Group technology improves labour efficiency.

(e) Method study is also called work measurement.

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

(a) Define the term 'Plant Layout'.

(b) State the *two* features of Incentive Plans.

(c) What is Centralized Purchasing ?

(d) Define 'Job Production'.

(i) What do you mean by 'Master Production Scheduling' (MPS) ?

(ii) State *two* advantages of Time Study.

(iii) What do you mean by Production Control ?

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

(a) Explain Gantt Charts.

(b) State the importance of Production Planning.

(c) Distinguish between Production and Services.

(d) State *four* benefits of work study.

(e) State the benefits of group technology.

(f) State *four* objectives of purchasing.

(g) Distinguish between Push system and Pull system.

Answer the following : (*any five*)  $8 \times 5 = 40$

(a) What do you mean by 'Production Planning' ? What are the objectives of production planning ?

- (b) What is Inventory Control? State the objectives of Inventory Control.
- (c) Explain ABC Analysis. State the role of ABC Analysis in materials management.
- (d) What is Inspection? Discuss in brief the problems of inspection.
- (e) What do you mean by Just-in-Time Purchasing? Distinguish between JIT Purchasing and Traditional Purchasing.
- (f) What is 'Statistical Quality Control'? What are the benefits of Statistical Quality Control? State the objectives of Statistical Quality Control.
- (g) Define Inventory Control. State the objectives of Inventory control.
- (h) Write short notes on :
  - (i) Scatter Diagrams
  - (ii) Store-keeping.