

Total No. of Questions : 6 ]

SEAT No. :

**P1865**

[Total No. of Pages : 2

[6033]-402

S.Y.B.B.A.

**402 GC : PRODUCTION AND OPERATIONS MANAGEMENT  
(2019 Pattern) (CBCS) (Semester -IV )**

*Time : 2½ Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) *Q.No.1 and Q.No.6 are compulsory.*
- 2) *Attempt any three from Q.No. 2 to Q.No.5 .*
- 3) *Figures to the right indicate full marks.*

**Q1) A) Fill in the blanks : [5]**

- a) \_\_\_\_\_ involves establishing start and Finish times of all jobs at each work centre.
- b) When the grouping of machines and services is done on the basis of their functions, it is termed as \_\_\_\_\_ layout.
- c) \_\_\_\_\_ Means adding new products in firm's product line.
- d) \_\_\_\_\_ is a systematic activity to convert raw material into finished goods which have higher value.
- e) \_\_\_\_\_ is defined as a set of procedure and machinery that make it possible to perform traditional human activities automatically.

**B) Match the Pairs. [5]**

Group A

Group B

- |                              |   |
|------------------------------|---|
| a) Total Factor productivity | i) $\frac{\text{Total Tangible output}}{\text{Total Tangible Input}}$           |
| b) Total Productivity        | ii) $\frac{\text{Net output}}{(\text{Labour} + \text{Capital}) \text{ Inputs}}$ |
| c) TQM                       | iii) Study of human abilities   |
| d) Sequencing                | iv) Customer - oriven Quality Management.                                       |
| e) Ergonomics                | v) Determining the order of processing of all jobs at each work place.          |

**P.T.O.**

**Q2)** Define the term production Management. Describe the functions of production Management in detail. [15]

**Q3)** What is product development? Explain stages of product development in detail. [15]

**Q4)** Define the term productivity. What are the techniques to productivity improvement? [15]

**Q5)** What is automation? Explain various strategies of automation. [15]

**Q6)** Write short Notes (Any 3 out of 6) [15]

- a) Elements of TQM.
- b) Importance of ergonomics.
- c) Product layout - Advantages and Disadvantages.
- d) Features of Quality circle.
- e) Components of production planning .
- f) Features of a good product design..

