

Total No. of Questions : 3]

SEAT No. :

P-5962

[Total No. of Pages : 3

[6143]-402

S.Y. B.B.A.

**402GC : PRODUCTION AND OPERATIONS
MANAGEMENT**

(2019 Pattern) (CBCS) (Semester - IV)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*

Q1) A) Fill in the blanks. [5 × 1 = 5]

- i) _____ is defined as a set of procedures and machinery that make it possible to perform traditional human activities automatically.
- ii) _____ layout is also known as Functional layout.
- iii) _____ function is referred to assigning the time slots to each of the activity that is present in the sequence of the operations.
- iv) _____ is the study of human abilities in relation to the demands of work.
- v) _____ layout breaks production down into relatively simple tasks.

B) Match the Pairs : [5]

- | | |
|------------------------------|--|
| i) TQM | a) Net output/inputs |
| ii) Ergonomics | b) Total Tangible/output/Total Tangible Input |
| iii) Scheduling | c) Total Quality management |
| iv) Total productivity | d) Establishing start and Finish times of all jobs |
| v) Total factor productivity | e) Customer Driven Quality Management |

P.T.O.

C) Define the Term. [5]

- i) Production Management
- ii) Partnership
- iii) Production planning and control
- iv) Productivity
- v) Six Sigma

D) Multiple Choice Questions. [5]

- i) Which type of maintenance is not directly included in the total maintenance cost but might be a component of total overall cost?
 - a) preventive
 - b) breakdown
 - c) predictive
 - d) prescriptive
- ii) The main benefits of automated manufacturing are _____.
 - a) Increased material handling
 - b) Increased lead times
 - c) Increased moral of workers
 - d) Lower consistency in production
- iii) Productivity =
 - a) Input/Output
 - b) Output/Input
 - c) Output – Input
 - d) Input – Output
- iv) A business owned by an individual _____.
 - a) partnership
 - b) joint stock company
 - c) sole proprietorship
 - d) co-operative society
- v) Product _____ is ultimate objective of variety reduction.
 - a) Specialization
 - b) Simplification
 - c) Standardization
 - d) Diversification

Q2) Write the answers in brief. (Any 3)

[3 × 10 = 30]

- a) What is Plant layout? Explain various principles of plant layout.
- b) Define the term PPC. What are the factors determining the production planning and control (PPC)?
- c) Define the term productivity. What are the techniques used for productivity improvement?
- d) Define maintenance management. What are the types of maintenance management?

Q3) Write Short Notes (any 4)

[4 × 5 = 20]

- a) Product Design
- b) Benefits of Automation
- c) Stages of PLC
- d) Nature of production and operation management
- e) Fixed Position layout
- f) Functions of maintenance management