

D5BBH2205

Reg. No.....

Name:

FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2024

(Regular / Improvement / Supplementary)

BBA HONOURS

GBAH5B22T: PRODUCTION MANAGEMENT

Time: 3 hours

Maximum Marks: 80

Part A. Answer *all* the questions. Each question carries *one* mark.

Choose the correct answer.

1. Mass Production Systems usually use _____ layouts.
A) Process B) Fixed Position
C) Product D) Method Study
2. Which of the given materials handling devices is a Fixed path equipment?
A) Crane. B) Conveyor.
C) Lift. D) All the above.
3. The flow of work process is shown by:
A) Dispatching. B) Expediting.
C) Routing. D) Sequencing.
4. Some variations inherent in the process cannot be corrected. The cause is known as:
A) Attributes. B) Assignable Cause.
C) Chance Cause. D) Suppliers' Risk.
5. Ishikawa Diagram is also known as:
A) OC Curve. B) Plant Layout.
C) Bathtub Curve. D) Fishbone Diagram.

Fill in the Blanks.

6. The _____ production system produces in very limited variety with large volume.
7. In _____ layouts, the machines are arranged in the sequence of operations.
8. EBQ Model is used to manage _____ production systems.
9. Probability of accepting a bad lot based on a sample which has the proportion of defectives lower than the lot is called _____.
10. Man-Machine Chart is a tool used in _____.

(10 × 1 = 10 Marks)

(PTO)

Part B. Answer any *eight* questions. Each question carries *two* marks.

11. What do you mean by strategic decisions? Quote two examples of strategic decisions in Operations.
12. Give a brief note on Cellular manufacturing layout.
13. What is Lead Time?
14. What do you mean by Fixed path materials handling devices? Provide examples.
15. Comment on MRP-II.
16. Write a note on the concept of Quality Circle.
17. What is ISO?
18. State the steps in Method Study.
19. What do you mean by Total Productivity Maintenance?
20. Mention the disadvantages of automation.

(8 × 2 = 16 Marks)

Part C. Answer any *six* questions. Each question carries *four* marks.

21. Discuss the differences between manufacturing and services from the point of view of Operations Management.
22. Explain Centre of Gravity method for location planning.
23. Highlight the factors considered in the selection of Materials Handling devices.
24. Delineate how Aggregate Planning and Master Production Schedule help in PPC for an organisation.
25. Explain X Chart and R Chart.
26. The observed timings in 8 observations are given:

Observed time (sec)	20	22	23
Frequency	4	2	2

The Worker performance rating is 80. The allowances are 10%. Find standard time for the activity.

27. Explain various types of maintenances in organisations.
28. Discuss (a) Assembly Line Balancing. (b) Additive Manufacturing.

(6 × 4 = 24 Marks)

Part D. Answer any *two* questions. Each carries *fifteen* marks.

29. Discuss various types of production systems. Which is suitable for a cement manufacturing company?
30. Explain the factors affecting plant locations decisions.
31. Explain product control in SQC. Explain acceptance sampling and OC Curve.

(2 × 15 = 30 Marks)