

FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2023**(Regular/Improvement/Supplementary)****BBA HONOURS****GBAH5B22T: PRODUCTION MANAGEMENT****Time: 3 Hours****Maximum Marks: 80****PART A: Answer all the questions. Each carries *one* mark.****Choose the Correct Answer**

1. _____ are characterised by manufacturing of one or few quantities of products designed and produced as per the specification of customers within prefixed time and cost.
A. Mass production B. Job shop Production C. Batch Production D. Operations
2. In _____ layout machines and auxiliary services are located according to the processing sequence of the product.
A. Product layout B. Process Layout C. Hybrid layout D. Project layout
3. Inventory is also called as _____ of an enterprise.
A. Working resource B. Idle resource
C. Accumulated resource D. Intangible resources
4. A production system is composed of four factors ie. quantity, quality, -----and time.
A. Effort B. Cost C. Investment D. land
5. Which of the following is a control chart?
A. Variable CC B. Fixed CC C. Medium CC D. Nominal CC

Fill in the Blanks

6. _____ may be defined as a system that is used to maintain a desired level of quality in a product or service.
7. A _____ is used to display sequence of events in a process.
8. The process where the wastes of over production, inventory, defects etc are identified and efforts are made for the continuous improvement in process by eliminating the wastes is called _____ maintenance.
9. Materials and equipments which have no immediate use but have accumulated due to faulty planning, forecasting and purchasing are called _____.
10. _____ automation is capable of producing a variety of products (or parts) with virtually no time lost for changeovers from one product to the next.

(10 x 1 = 10 Marks)**(PTO)**

PART B: Answer any *eight* questions. Each carries *two* marks.

11. Mention the types of Scheduling.
12. What is Computer Aided Design?
13. Define Material Handling.
14. What do you mean by BOM?
15. How does money become a fundamental factor affecting quality?
16. What is reliability centered maintenance?
17. Write a note on fixed automation.
18. What are the functions of stores?
19. Comment on AGVS.
20. What is functional inspection?

(8 x 2 = 16 Marks)

PART C: Answer any *six* questions. Each carries *four* marks.

21. Explain the scope and functions of materials management.
22. What are the aggregate planning guidelines?
23. Discuss the identification and control of waste.
24. What are the techniques of Routing?
25. Explain some causes of variation in quality?
26. Explain some macro factors affecting material planning.
27. What are the advantages and disadvantages of breakdown maintenance?
28. Discuss the concept of automated flow line.

(6 x 4 = 24 Marks)

PART D: Answer any *two* questions. Each carries *fifteen* marks.

29. Explain the historical evolution of Production Management.
30. A new medical facility, Health-care, is to be located in Delhi. The location factors, factor rating and scores for two potential sites are shown in the following table. Which is the best location based on factor rating method?

| Sl.No. | Location Factor | Factor rating | | |
|--------|-----------------------------|---------------|------------|------------|
| | | | Location 1 | Location 2 |
| 1 | Facility utilization | 8 | 3 | 5 |
| 2 | Total patient per month | 5 | 4 | 3 |
| 3 | Average time per month | 6 | 4 | 5 |
| 4 | Land and construction costs | 3 | 1 | 2 |
| 5 | Employee preferences | 5 | 5 | 3 |

31. Discuss any four types of charts and diagrams used in methods study.

(2 x 15 = 30 Marks)