

**FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2023
(Regular/Improvement/Supplementary)**

BBA

GBBA5B09T: OPERATIONS MANAGEMENT

Time: 2 ½ Hours

Maximum Marks: 80

SECTION A: All Questions can be answered. Each carries *two* marks.

(Ceiling 25 Marks)

1. Define Operations Management.
2. What is ABC analysis?
3. Define control subsystem.
4. What is Re-order point?
5. Define facility layout.
6. Name any four trends in manufacturing layouts.
7. Define production capacity.
8. Write an account of job shop production.
9. What is lead time?
10. State the meaning of time and motion studies.
11. What do you mean by plant layout?
12. Name four principles of materials handling.
13. What is statistical process control?
14. State the meaning of the concepts of safety stock and EOQ.
15. What is green manufacturing?

SECTION B: All Questions can be answered. Each carries *five* marks.

(Ceiling 35 Marks)

16. Discuss the factors influencing plant layout.
17. Define production control. Explain the elements of production control.
18. What is inventory management? Explain the importance of inventories.
19. Explain the relationship between total quality management (TQM) and quality control.
20. How is econometric forecasting different from regression analysis?
21. What is cellular simulation? What are its advantages and limitations?
22. Explain how aggregate planning differs from produce-to-stock and produce-to-order firms.
23. Name and describe four types of production planning and control systems.

SECTION C: Answer any *two* questions. Each carries *ten* marks.

24. Explain in detail about the various factors that determine the plant location of an industrial unit.
25. What is master production schedule? What inputs are needed? Describe the process of preparing a master production schedule.
26. Describe the steps in process design? What inputs are required to process design? Discuss its outcome.
27. What are the most important factors affecting operations management today?

(2 x 10 = 20 Marks)

