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Reg. No : .....

Name : .....

**BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024**

**2023 ADMISSIONS REGULAR**

**SEMESTER III B.M.S - CORE COURSE**

**MS3C09B23 - Operations Management**

**Time : 3 Hours**

**Maximum Marks : 80**

**Part A**

**I. Answer any Ten questions. Each question carries 2 marks**

**(10x2=20)**

1. Explain Mass Production with examples.
2. What is Job Shop Production?
3. Differentiate between Agglomeration and Deglomeration.
4. In which industries is Fixed Position Layout preferred?
5. Differentiate between Plant Location and Plant Layout.
6. Examine the levels of Production Control.
7. Differentiate between Production Planning and Production Scheduling.
8. Define Production Control.
9. What is Lean Six Sigma?
10. Briefly explain different methods of SQC.
11. Briefly explain different categories of inventory.
12. Describe ABC Analysis.

**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. Explain the characteristics of Mass Production.
14. Define Production Function. What are the features of Production Function?
15. Examine the factors affecting Plant Location.
16. Examine the three kinds of Material Handling, with relevant examples.
17. Which layout is suitable for (a) Restaurant (b) Assembling unit of Toyota automobiles.
18. Discuss the benefits of MRP for a business.
19. Briefly explain the steps involved in Production Scheduling.
20. What are SQC and SPC? Distinguish between SQC and SPC.
21. What is Inventory Level? Explain the strategies which can be adopted by organizations to manage their inventory levels, with examples.

**Part C**

**III. Answer any Two questions. Each question carries 15 marks**

**(2x15=30)**

22. Elaborate on the different types of Production Systems. List out their advantages and disadvantages.
23. Explain various types of Plant Layout.
24. Discuss the elements and steps involved in Production Scheduling.
25. Compare and Contrast Kaizen and Six Sigma.