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| **C:\Users\ADMIN\Desktop\j.png** | **JAIPURIA INSTITUE OF MANAGEMENT, INDORE**  Post Graduate Diploma in Management |
| **Course Title: Materials and Inventory Management, (Course Code: OM 502)**  **End-Term Examination, Term - V (January, 2024)** | |
| **Time Duration : 2 Hours Total Marks: 40** | |

***General Instructions*:**

1. *Answer the questions as directed. The break-up of the marks is given wherever necessary.*
2. *Marks against each question is indicated to its right.*
3. *Answer all the questions of a ‘Section/Question’ at one place in continuation.*
4. *Answers should be brief and to the point.*
5. *Do not write on the question paper except your roll number.*

**Make suitable assumption, wherever required.**

**SECTION - A**

**Q1. Execute** an analysis comparing the advantages and disadvantages of Make to Stock and Make to Order manufacturing strategies, highlighting key factors that businesses should consider when deciding which approach to implement in their production processes.

**(10 Marks)**

**Q2** A company has classified its inventory items using ABC analysis. The annual demand (in units) and the unit cost for each category are as follows:

Category A: 1000 units, $10 per unit

Category B: 500 units, $5 per unit

Category C: 2000 units, $2 per unit

**Interpret** the annual dollar value for each category, and then determine the percentage of the total annual dollar value that each category represents. **(10 Marks)**

**Q3.** In your role as a procurement manager, you are tasked with advancing the organization's procurement process by **executing** an e-procurement system. Develop a detailed plan outlining the steps you would take to execute the implementation of the e-procurement system. Provide insights into how the organization can benefit from this implementation, emphasizing efficiency gains, cost savings, and improved supplier relationships. Additionally, identify potential challenges during the execution phase and propose effective strategies to overcome them. **(10 Marks)**

**Q4. The** current lead time from three key suppliers: Supplier A, Supplier B, and Supplier C. Supplier is as under.

A has a lead time of 14 days, Supplier B has a lead time of 21 days, and Supplier C has a lead time of 18 days. **Appraise** the potential strategies to reduce lead time effectively. Develop a plan outlining the specific measures you would take to assess and improve vendor performance. Consider factors such as communication, inventory management, and collaboration. **(10 Marks)**