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| **C:\Users\ADMIN\Desktop\j.png** | **JAIPURIA INSTITUE OF MANAGEMENT, INDORE**Post Graduate Diploma in Management |
| **Course Title: Materials & Inventory Management, (Course Code: 40527)****End-Term Examination, Term - V (January 2025)** |
|  **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 assumptions and write them clearly.**

**Be precise in your answers.**

**SECTION - A**

Q1. **Apply** the chase production strategy in a business scenario. Under what conditions might a business find this strategy more advantageous than the level production strategy? **(10 Marks)**

Q2. A company specializing in electronic gadgets is facing issues with excessive inventory and high holding costs. They aim to implement sustainable inventory management practices to minimize waste and maintain social responsibility.

a) **Apply** ABC analysis to classify the company's inventory items and recommend strategies for managing each category sustainably. **(5 Marks)**

b) **Evaluate** the potential benefits and challenges of using FSN analysis to identify and address slow-moving and non-moving inventory items. **(5 Marks)**

**SECTION – B**

**Q3.** An apparel company aims to implement sustainable inventory practices to reduce environmental impact and align with social responsibility goals.

**Questions**:
a) **Apply** the JIT​ inventory system to this scenario and propose strategies to minimize waste and enhance sustainability.  **(5 Marks)**

b) **Evaluate** the challenges the company might face in maintaining supply chain reliability while implementing JIT. **(5 Marks)**

Q4. **Evaluate** the criteria that should be considered when selecting vendors for outsourcing production in a consumer electronics company. Discuss how these criteria impact the company's strategic goals. **(10 Marks)**