

**JAIPURIA INSTITUTE OF MANAGEMENT, NOIDA**

**PGDM / PGDM (M) / PGDM (SM)**

**SIXTH TRIMESTER (BATCH 2022-24)**

**ENDTERM EXAMINATION, APRIL 2024**

**Set-1**

Course Name	Sustainable Operations Management	Course Code	20532
Max. Time	2 Hours	Max. Marks	40 MM

**Instructions:**

1. All questions are compulsory
2. Answers should be numbered correctly, otherwise it will not be evaluated
3. All parts of the same question should be answered together
4. Answers to each question should start from a separate page
5. Answer the questions in sequence
6. This is a closed book examination.

**Question 1:** Define the concept of Green Buildings and its application for Sustainable Development. Illustrate your answer with an example.

**(Marks- 5)**

**Question 2:** Explain the role of Life Cycle Analysis (LCA) for Sustainable Operations and its importance in decision-making for the Mobile phone industry.

**(Marks- 5)**

**Question 3:** Distinguish between Sustainable Operations Management and traditional Operations Management? Illustrate your answer with two examples.

**(Marks- 5)**

**Question 4:** Suppose you are in the organizing committee of a conference and want to ensure that recycling is a priority for the event. Recommend a comprehensive recycling plan for the event encouraging participation of guests in the recycling program.

**(Marks- 7)**

**Question 5:** Imagine you are organizing a sustainability workshop for a service organisation. Develop a workshop agenda that focuses on resource management, including topics such as energy conservation, water efficiency, waste reduction, and sustainable procurement practices. How would you engage staff and promote behaviour change to support sustainable resource management?

**(Marks- 8)**

**Question 6:** Discuss the concept of a closed-loop system in the context of Sustainable Operations Management. How does a closed-loop system differ from traditional linear systems of production and consumption? Provide example of closed-loop systems that could be implemented to reduce waste and resource consumption.

**(Marks- 10)**