JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

PhD II Semester (CE)

COURSE CODE (CREDITS): 24P1WCE231 (3) MAX. MARKS: 15

COURSE NAME: Life Cycle Analysis and Design for Environment

COURSE INSTRUCTORS: Dr. Rishi Rana Kalia MAX. TIME: 1 Hour

Note: *(a) All questions are compulsory.*

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	Trace the historical evolution of Life Cycle Assessment from its origin to its present role in environmental management.	CO-1	6 Marks
Q2	Explain the concept of Life Cycle Assessment (LCA). Discuss its purpose and significance as an environmental management tool.	CO-2	6 Marks
Q3	Explain the purpose of LCA in the context of ISO 14000 standards and sustainable development.	CO-1	2 Marks
Q4	What is meant by data quality in the context of LCA?	CO-1	1 Marks

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