

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2024

PhD -I Semester (CE)

COURSE CODE (CREDITS): 18P1WGE101

MAX. MARKS: 25

COURSE NAME: RESEARCH METHODOLOGIES INCL QUANTITATIVE METDS &
COMP APPLS – Third Module

COURSE INSTRUCTORS: Dr. Rishi Rana Kalia

MAX. TIME: 2 Hours

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	Mention the advantages and disadvantages of biological treatment of hazardous wastes with phyco- chemical treatment?	CO-4	4 Marks
Q2	With the help of a neat diagram, explain critical path technique for determining if a waste is hazardous under RCRA?	CO-1	8 Marks
Q3	Explain the significance of Basel convention in management of hazardous waste?	CO-2	5 Marks
Q4	Discuss briefly about the hazardous waste generation scenario in India?	CO-3	4 Marks
Q5	What are TSDFs? Write a note on TSDF facilities in India?	CO-3 &4	2 Marks
Q6	Discuss in detail the landmark episodes in the history of hazardous waste management: Minimata Bay Disease and Bhopal Gas Tragedy?	CO-4	2 Marks