

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2024

PhD -I Semester (CE/BT &BI)

COURSE CODE (CREDITS): 14M31CE115 (3)

MAX. MARKS: 15

COURSE NAME: Solid Waste Management

COURSE INSTRUCTORS: Dr. Rishi Rana Kalia

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

(b) Marks are indicated against each question in square brackets.

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

Q.1 Explain in detail the various classifications of solid waste management? [5 Marks] (CO-1)

Q.2 Discuss the public and environmental effects of solid waste management? [4 Marks] (CO-1)

Q.3 With neat sketches, derive the condition to determine the viability of transfer station using cost analysis? [3 Marks] (CO-2)

Q.4 With neat sketches, where appropriate, discuss the "Waste Stream Assessment" mechanism used for effective SWM? [3 Marks] (CO-1 &2)
