

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATIONS-2022

B.Tech-VII Semester (CS/IT/ECE/Civil/BT)

COURSE CODE (CREDITS): 19B1WBT731(3)

MAX. MARKS: 15

COURSE NAME: Sustainable Technologies for Waste Management

COURSE INSTRUCTORS: Dr. Garlapati Vijay Kumar

MAX. TIME: 1 Hour

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*Note: All questions are compulsory. Marks are indicated against each question in square brackets.*

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Q1. What is the possible health hazards and environmental impacts of solid waste? What are the different waste hierarchies rules need to be followed by priority? (CO I) (3 M)

Q2. What are the different approaches to utilize the untapped waste with respect to Indian context? Summarize any two application technologies for waste management by focusing the Indian scenario? (CO I) (3 M)

Q3. What do you know about EWM and ELFM approaches utilized as a part of waste conversion technologies? What are the different socio-economic barriers need to consider while selecting the EWM and ELFM approaches? (CO II) (3 M)

Q4. Depict the different WtE conversion technologies through a neat sketch? Give a note on "Super Critical Technology" utilization in WtE and WtP technologies? (CO II) (3 M)

Q5. What components of e-waste possess a hazard to environment and humans? Summarize the different approaches we can utilize for the e-waste management? (CO II) (3 M)

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