

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2018

B.Tech VIII Sem./M.Tech II Semester

COURSE CODE: 14M31CE216

MAX. MARKS: 25

COURSE NAME: HAZARDOUS WASTE MANAGEMENT

COURSE CREDITS: 03

MAX. TIME: 1.5 Hr

*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.*

- Q1.a) What is the need for Hazardous Waste Management? Mention some of the unscientific disposal practices of Hazardous waste in the past. [02 Marks]
- b) What are small-quantity generators? How do you define a household hazardous waste? [02 Marks]
- Q2.a) With the help of a neat diagram, explain the critical path for determining if a waste is hazardous under RCRA [03 Marks]
- b) What do you mean by "Degree of Hazard Concept" and what are its limitations. [02 Marks]
- Q3.a) Define the following terms under Basel Convention: [03 Marks]
- i) Transboundary Movement
  - ii) Competent Authority
  - iii) State of Transit
- b) Write a note on "Basel Convention" [02 Marks]
- Q4.a) Discuss briefly about the hazardous waste generation scenario in India. [02 Marks]
- b) What are "TSDFs". Write a note on the TSDF facilities in India. [02 Marks]
- Q5.a) What do you mean by RCRA? Discuss the salient features of RCRA. [02 Marks]
- b) According to HSWA of 1984, what were the land disposal prohibitions under this amendment? What were the minimum technology requirements for land disposal facilities under HSWA 1984? [02 Marks]
- c) With the help of a neat figure, discuss the salient features of a secure landfill site for disposal of Hazardous [03 Marks]