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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST II EXAMINATION (April- 2019)
B. Tech. (VIII- SEM.)

COURSE CODE: 14M31CE216

MAX. MARKS: 25

COURSE NAME: Hazardous Waste Management

MAX. TIME: 1.5 HRS

COURSE CREDIT: 3

Note: Attempt all Questions. Carrying of mobile phones during exams will be treated as case of unfair means. Assume suitable data if required.

1. Explain the need for Hazardous waste Management. In this context, explain the different Hazard waste generators. Also define the context of 'on-site' and 'off-site' waste management. (1.5+1.5+1)
2. In the context of Treatment, Storage, Disposal facilities (TSDF's) of HWM generated, discuss with figures and suitable explanations (a) Common TSDF's (b) Integrated TSDF's and (c) Captive TSDF's (2+2+2)
3. Explain some of the salient features of the new HWM rules 2016, as proposed by the Government of India (5)
4. Explain the minimum technology requirements for meeting the land disposal facilities. (3)
5. Explain the fundamental concepts of Hazardous Waste Chemicals. (4)
6. In the context of physico-chemical balances of reaction of HW with surrounding environment – explain the concepts of (a) Partition Coefficient (b) Diffusion Coefficient (c) Bioconcentration Factor (d) Solubility (e) Sorption (f) vapour pressure (3)

JUIT WAKNAGHAT TEST II EXAM, April 2019