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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT  
T3 - EXAMINATION (December - 2017)  
M. Tech. (I- SEM.)

COURSE CODE: 14M31CE115  
COURSE NAME: Solid Waste Management  
COURSE CREDIT: 3

MAX. MARKS: 35

MAX. TIME: 2 HRS

*Note: Attempt all questions. Assume suitable data if required. Carrying of mobile phone during examinations will be treated as case of unfair means*

1. With neat sketches, discuss (a) planning a public education program as part of IWM and (b) different benefits of LCA assessment of solid waste management system. (3+4)
2. Briefly explain the principles of *identification* and *classification* of Hazardous Waste. Explain the significance of these parameters in designing an appropriate hazardous waste management system. (8)
3. In the context of incineration processes, with neat sketches if appropriate discuss (a) Refuse Derived Fuel system (RDF) and (b) the environmental concerns associated with the incineration process. (4+4)
4. In the context of composting of organic fraction of MSW generated, with neat sketches if appropriate Discuss (a) windrow composting (b) In-vessel composting system and (c) Aerated Static Pile composting (4+4+4)

JUIT WAKNAGHAT (T3- EXAM, December 2017)