JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TI - EXAMINATION (September - 2016)
M. Tech. (I- SEM.)

COURSE CODE: 14M31CE115   MAX. MARKS: 15
COURSE NAME: Solid Waste Management
COURSE CREDIT: 3   MAX. TIME: 1 HR

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

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1. Briefly discuss the salient features of '*Environmentally Sound Solid Waste Management*' (ESSWM). In the same context briefly discuss the '*Environmental Sound Technologies*' (EST) associated with the above principles. Explain with an example if necessary. **(4)**

2. In the context of determination of chemical characteristics of MSW, briefly explain (a) proximate method and (b) ultimate method for analysis. Discuss the utility and application of each type of analysis. **(4)**

3. '*Solid waste characteristics vary from place to place and country to country*'. Justify the statement in an Indian context using suitable examples and references **(4)**

4. Determine the moisture content of solid waste from the following data **(3)**

Waste Composition	Food waste	Paper	Cardboard	Plastic	Garden Trimming	Wood	Tin Can
% by weight (based on 100 kg)	15	45	10	10	10	5	3
Moisture Content	70	6	5	2	60	20	3