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BWA-001

**CERTIFICATE IN SOLID WASTE
TREATMENT TECHNIQUES
(CSWATT)**

Term-End Examination

June, 2026

**BWA-001 : SOLID WASTES AND
REGULATORY FRAMEWORK**

Time : 3 Hours

Maximum Marks : 70

Note : (i) Attempt any **seven** questions.

(ii) All questions carry equal marks.

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1. (a) Discuss various types of solid wastes in detail with examples. 5
 - (b) Enlist the classification of solid waste based on different criteria. 5
 2. What are the four most important properties that need to be studied for determining whether the solid waste can be used as fuel ? Discuss any *one* of them in detail. 10

3. Explain, in detail the factors to be considered for the purpose of determining the generation rate of solid waste. 10
4. Describe the 'Load Count Analysis' and 'Weight Volume Analysis' for estimation of solid wastes. 10
5. What is the need for sampling of solid waste ? Also discuss the various aspects of sampling of solid waste. 10
6. Discuss the provisions for the protection of the environment by Constitution of India. 10
7. What is Integrated Solid Waste Management ? What are the various steps required to develop an Integrated Waste Management Programme (IWMP) ? 10
8. (a) Describe salient features of solid waste management rules, 2016. 5
(b) Explain any *one* method used to generate energy from the waste. 5

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9. Write short notes on any *four* of the following : 4×2.5=10

- (a) Functional elements of solid waste management
- (b) Batteries Management and Handling Rules
- (c) Hauled Container System
- (d) Plastic waste (management and handling) rules
- (e) Rule-268 of India Penal Code, 1860

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