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BWA-001

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

Term-End Examination

December, 2021

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

Time : 3 Hours

Maximum Marks : 70

Note : Answer any **seven** questions. All questions carry equal marks.

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1. (a) Enlist the classification of solid waste based on different criteria. 5
 - (b) Discuss solid waste in detail with examples. 5
 2. Describe the functional elements of solid waste management. 10

3. Enumerate the **four** basic points on which the concept of ISWM works. Also explain the principles of integrated solid waste management (ISWM). 10
4. Give the details of the factors to be considered for the purpose of determining the generation rate of solid waste. 10
5. Explain the 'material flow analysis' for determining the generation and movement of solid wastes. 10
6. Name the types of sample of solid waste and describe them. 10
7. Enlist the physical properties of solid waste and discuss any **one** in detail. 10
8. 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

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9. Write short notes on the following : $2.5 \times 4 = 10$

- (a) Forest Conservation Act, 1980
- (b) Biomedical Waste Management Rules
- (c) National Green Tribunal Act, 2010
- (d) Fixed Carbon