

**CERTIFICATE IN HEALTH CARE WASTE
MANAGEMENT (CHCWM)**

Term-End Examination

June, 2021

**BHM-102 : HEALTH CARE WASTE MANAGEMENT :
CONCEPT, TECHNOLOGIES AND TRAINING**

Time : 3 hours

Maximum Marks : 70

Note : *Attempt any **seven** questions. All questions carry equal marks. All questions to be answered within 700 words each.*

1. Discuss the core principles of management of sharps. Describe the strategies for prevention and management of injuries from sharps. 5+5
2. Explain what is Pretreatment. Discuss the different pretreatment technologies. 2+8
3. Discuss the principle of operation of a microwave. Enumerate its advantages and disadvantages. 5+5
4. Enumerate the environmental laws applicable for commissioning or operating a Common Biomedical Waste Treatment Facility (CBMWTF). Describe the location criteria for a CBMWTF. 6+4

5. Define Health Care Associated Infections (HCAI). Describe the various modes of transmission of infection. 4+6

 6. Explain the process of Plasma Pyrolysis and draw its diagram. Enumerate the advantages and disadvantages of this technique. 4+2+4

 7. What are the sources of wastewater generation in Health Care Facilities ? Describe the characteristics and hazards of water from different sources. 4+6

 8. Discuss the various components for organising a training plan for Health Care Waste Management. 10
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