

No. of Printed Pages : 3

**BHM-101**

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

**Term-End Examination**

**December, 2021**

**BHM-101 : FUNDAMENTALS : ENVIRONMENT  
AND HEALTH, HEALTH CARE WASTE  
MANAGEMENT REGULATIONS**

*Time : 3 Hours*

*Maximum Marks : 70*

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

(ii) *All questions carry equal marks.*

(iii) *All questions to be answered within  
700 words each.*

1. Explain the steps of preparation of action plan for Health Care Waste Management (HCWM). 10

2. List the sources of lead in health care setting. Describe the impact of lead on health and environment. 3+7
3. Discuss different waste minimisation approaches with suitable examples. 10
4. Describe the different categories of waste as per the BMWWM Rules, 2016, as amended. Give suitable examples of each and enumerate the treatment option for each category. 4+3+3
5. Explain what are biogeochemical cycles. Describe in detail the nitrogen cycle and draw its diagram. 3+4+3
6. Enumerate the prescribed regulatory authorities in India for BMWWM Rules, 2016. Describe the role of Central Pollution Control Board in the regulation of BMWWM Rules, 2016. 4+6

**P. T. O.**

[3]

7. Enumerate the sources of mercury in health care setting. Discuss the routes of exposure and explain its effects on environment and health. 3+3+4
  
8. Name the sources of radioactive waste generation in health care institutions. Describe in detail the radioactive waste management and disposal plans. 3+7