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BHM–101

CERTIFICATE IN HEALTH CARE WASTE MANAGEMENT (CHCWM)

Term-End Examination

December, 2024

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

Time : 3 Hours *Maximum Marks : 70*

Note : *(i) All Parts are compulsory.*

(ii) ***Part A :*** *Attempt any* ***two*** *questions. Each question carries 10 marks.*

(iii) ***Part B*** *: Attempt any* ***five*** *questions. Each question carries 6 marks.*

(iv) ***Part C*** *: Attempt all the* ***four*** *questions. Each question carries 5 marks.*

Part—A

Note : *Attempt any* ***two*** *of the following questions in about* ***600-800*** *words each.* 2×10=20

1. Enumerate the environmental factors affecting the state of health. Discuss types, sources, effects, prevention and control of environmental hazards.

2. Describe the trophic levels and energy flow in an ecosystem along with suitable diagram. Explain in detail nutrient cycle.

3. Briefly describe the responsibility for handling the health care waste at global, national, state/district, institutional, departmental and individual level.

Part—B

Note : *Answer any* ***five*** *of the following questions in about* ***400-500*** *words each.* *5×6=30*

4. Describe ecological pyramid and ecological balance.

5. List and explain the types, sources, effect and control measures of water pollution.

6. Define radiation pollution. Explain the sources, effects and preventive measures of radiation pollution.

7. Enumerate the duties of operator as per Biomedical Waste Management Rules, 2016 and amendments made thereof.

8. Explain the monitoring mechanism in India to ensure that biomedical waste is being managed as per BMWM Rules, 2016 and amendments made thereof.

9. Describe the parameters of the checklist for verification of compliance to the provisions of BMWM Rules, 2016 and amendments made thereof by the Common Biomedical Waste Treatment Facilities (CBMWTFs).

Part—C

10. Define carbon cycle along with a suitable diagram. Explain the factors affecting carbon cycle. 5

11. Impact of infectious health care waste on public health and environment. 5

12. Electronic waste (E-waste). 5

13. Discuss the components of health care waste management assessment. 5

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