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CCFUP/2nd Sem/BMLT/26(NEP)

2026

2nd Semester Examination (CCFUP : NEP)

BMLT

Paper Code : BMLTAE2

[Diagnostic Laboratory Waste Management]

Full Marks : 40

Time : Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. How do you classify healthcare waste?
2. Differentiate between HCF and CBWTF.
3. State two roles of PPE in biomedical waste management.
4. Name any four diseases associated with improper biomedical waste management.
5. Define genotoxic waste.
6. What are the utilities of waste shredders?

P.T.O.



(2)

7. Mention two biomedical wastes commonly generated in blood banks.
8. What is anatomical waste? Give one example.

Group - B

Answer any *four* questions : 5×4=20

9. Explain the role of segregation in reducing the hazards associated with biomedical waste.
10. Differentiate between incineration and pyrolysis with suitable examples.
11. Discuss why hazardous biomedical waste requires specialized treatment compared with general healthcare waste.
12. Explain the health and environmental hazards associated with genotoxic and teratogenic wastes.
13. Which factors influence the quantity and composition of biomedical waste? List any four chemical disinfectants used in biomedical waste management. 3+2
14. What do you mean by waste hierarchy on order? State the principle of compaction in relation to biomedical waste management. 3+2

(3)



Group - C

Answer any *one* question : $10 \times 1 = 10$

15. Discuss the significance of colour coding in ensuring safe biomedical waste management. Explain the direct and indirect health effects of improper biomedical waste disposal. 6+4

16. How are nosocomial infections transmitted? Explain the preventive measures to minimize needle-stick injuries in healthcare settings. Write in brief about the CPCB and BARC guideline in support of medical waste management. 2+4+4
