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CCFUP/1st Sem/BMLT/w.e.f.2023-24(NEP)

2025

1st Semester Examination (CCFUP : NEP)

BMLT

Paper : MDC 1-T



(Laboratory Ethics and Biosafety)

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. What is the conflict of interest in laboratory practice?
2. Mention the importance of Biosafety Cabinets.
3. What is spill management?
4. Name four corrosive chemicals that are very commonly used in biochemical test.
5. What is accountability in medical ethics?
6. What is accurate procedure of discarding needle after phlebotomy?

P.T.O.

(2)

7. How do you take precautions against aerosol generation in a laboratory?

8. Define data falsification.



Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Explain the importance of documentation in medico-legal cases. $2+3$
10. What is medical jurisprudence? Mention the importance of SOP in a laboratory.
11. Name two pathogens that are commonly contained under the strict norms of BSL-3. If you are asked to set up a laboratory for performing various tests for diagnosis of tuberculosis patients, what would be the procedures for biocontainment of the pathogen in your laboratory. $2+3$
12. Explain the role of laboratory personnel in patient safety.
13. What are the different types of medical waste generated in laboratory and how do you handle them? $2+3$
14. What do you mean by donning and doffing of PPE Kit? Explain the chemical methods of decontamination.

$2\frac{1}{2} + 2\frac{1}{2}$

(3)



Group - C

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

15. Describe electrical safety measures included in the checklist in healthcare settings. How will you take care of chemical spillage in the laboratory? Draw biohazard symbol. $5+3+2$
16. Write the difference between Ethics and Law. What are the different types of fire extinguishers used in laboratory? $5+5$
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