2024

2nd Semester Examination

BMLT

Paper : BMLT GE 2-T

MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

Full Marks : 80 Time : Three Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

(Laboratory and Patient Safety, Medical Law and Ethics)

GE 2.1-T

Group - A

Answer any ***ten*** questions. 2×10=20

1. What is ISO-15189?
2. What is the responsibility of a laboratory worker regarding specimen handling?
3. Define ‘laboratory ethics’.
4. Define laboratory ethics in the context of patient safety.
5. What do you mean by ‘confidentiality of information’ as per ethics?

P.T.O.

MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

6. What is the importance of laboratory accreditation?
7. What is 'Institutional Ethics Committee'?
8. State the ethical view of Bio-safety.
9. What is Data Bank?
10. What is required for researchers working with Risk Group 4 agents?
11. Draw the symbol of toxic and corrosive substances.
12. Briefly mention safety checklist for phlebotomy procedures.
13. Write the importance of proper sample collection from the view point of laboratory ethics.
14. Describe the importance of confidentiality in medical ethics.
15. Differentiate decontamination and sterilization.

Group - B

Answer any ***six*** questions. 5×6=30

16. What are the code of conduct followed by the laboratory technologist from the ethical point of view?
17. What is the importance of ISO accreditation for medical laboratories?

MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

18. Differentiate between malpractice and negligence in drug therapy.
19. Write a note on treatment and disposal of microbiological waste.
20. Write the name of the tests which are conducted under moderate complexity criteria laboratory. Why 70% alcohol is used in Biomedical Laboratory? 3+2
21. What is ISO and IEC? How we get ISO accreditation? 2+3
22. Discuss the ethical considerations surrounding rational and irrational drug therapy.
23. How do you deliver medical test reports to patient or patient party following ethical guidelines?

Group - C

Answer any ***three*** questions. 10×3=30

24. How does medical ethics protect a laboratory technician? Elaborately discuss how do medical laws protect and uphold medical ethics. 3+7
25. Write the functional component of a pathological laboratory. Write the name of the tests which are listed under high complexity criteria. Write the first aid protocol in case of accidental swallowing of infectious agent and corrosive agent. 2+3+5

P.T.O.

26. Write the role of medical technologist in medico legal cases. What are the special steps should be adopted during shipment of biohazard sample? 5+5

27. Describe laboratory biosafety level 1, 2 and 3.

28. What are the possible health hazards due to radioactive material exposure in a laboratory? What are the safety profile that you adopt to protect yourself? 5+5

———————

MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

OR

(Medical Laboratory Total Quality Management)

GE 2.2-T

Group - A

Answer any ***ten*** questions. 2×10=20

1. Define accountability.

2. What do you mean by direct and indirect customer of a medical laboratory?

3. Who accredits GLP in India and how frequent it is to be done?

4. What is meant by external quality control?

5. How do you standardize colorimeter for calibration?

6. What is consent in medical laboratory?

7. What do you mean by reproducible result?

8. What is true value?

9. What is validation of method?

10. What is the importance of accreditation of clinical laboratories?

11. What is meant by turnaround-time?

P.T.O.

12. What is the application of control serum in quality control?

13. How do you calibrate micropippette?

14. What is intra assay variation?

15. What is meant by leadership?

MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

Group - B

Answer any ***six*** questions. 5×6=30

16. Give a model of cusum chart with its interpretation and application.

17. Discuss briefly about confidentiality and patients safety.

18. What are the rights of a patient in a diagnostic laboratory?

19. Discuss about safety precaution in HIV laboratory.

20. Discuss about different types of external quality control.

21. Write notes on clinical laboratory accreditation organizations of India and abroad.

22. Briefly discuss about foundation of TQM.

23. Write a short note on 5Q Network.

MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

Group - C

Answer any ***three*** questions. 10×3=30

24. Discuss about cooperation and working relationship between the health professionals. How do you assess good reliable and authentic report? Discuss about different groups of team for maintaining quality control. 3½+3½+3

25. What are the aims of GLP? Elaborate the thumb rules of Levey-Jennings Plot. Discuss briefly about safe transportation and preservation of patients sample. How do bar coding is helpful in patient identification and sample collection? 2+2+4+2

26. Discuss about the different types of errors and its assessment. 5+5

27. Discuss the WHO guideline of quality control and analysis.

28. Discuss briefly about the rules of Westgard.

———————