Total page: 01

PG (CBCS)
M.Sc. Semester- II Examination, 2023
MEDICAL LABORATORY TECHNOLOGY
PAPER: MLT 204
(LABORATORY TQM, ETHICS, AND BIOSAFETY)

Full Marks: 40　　　　　　　　　　　　　　　　　　　　　**Time: 2 Hours**

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

GROUP-A

Answer any **FOUR** from the following questions:　　　　　　　　4×2=8

1) What do you mean by primary and secondary standards for QC?
2) What do you mean by primary containment and secondary containment?
3) What do you mean by proficiency testing?
4) Define laboratory ethics.
5) What is PDCA model?
6) What do you mean by laboratory precision?

GROUP-B

Answer any **FOUR** from the following questions:　　　　　　　4×4=16

7) True negative result of a test kit is 150 and true positive is doubled of true negative value and false negative of result is 1.2 times more than that of true positive. Calculate sensitivity, specificity, positive and negative prediction value of the test.
8) Write down the ISO rules of biosafety.
9) Differentiate the IQC and EQC of a laboratory.
10) What do you mean by Privacy & Dignity of the patient?
11) Give an idea of laboratory first-aid measures and kit.
12) Write briefly about the waste disposal system.

GROUP-C

Answer any **TWO** from the following questions:　　　　　　　2×8=16

13) Circulating cholesterol level (mg/dl) of 15 consecutive days for a control serum are 180, 230, 190, 200, 220, 180, 172, 240, 215, 225, 230, 195, 210, 216, 175. Draw a Levey-Jenning QC chart from obtained result and interpret your findings.
14) Give an idea of specimen handling and transport to the laboratory.　　4+4
15) Write down the criterias for different bio safety levels with example.
16) Discuss about the setup of teamwork in a medical laboratory along with the role of leadership and communication system.

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