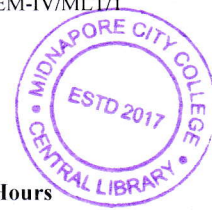


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M.Sc. Semester- IV Examination, 2026
MEDICAL LABORATORY TECHNOLOGY
PAPER: MLT 401
(FORENSIC SCIENCE)



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** questions:**2×4=8**

1. What is "Medical Jurisprudence"?
2. Name the two preservatives of blood sample in autopsy.
3. What are antidotes with examples?
4. Which are Oral emetics?
5. State the causes of death due to alcohol intoxication?
6. What is dying deposition?

GROUP-B

Answer any **FOUR** questions:**4×4=16**

7. How will you deal with conscious and unconscious patients in a forensic laboratory?
8. How will you measure alcohol concentration in blood of an intoxicated person?
9. Describe the steps for the RFLP analysis?
10. Briefly discuss on "grass-grow coma scale".
11. Write a note on 'Inquest'?
12. Describe the steps of DNA analysis in forensic molecular biology lab.

GROUP-C

Answer any **TWO** questions:**8×2=16**

13. Constitute a crime scene investigation team mentioning their responsibility. How will you prepare a "Medico-legal Report"? 4+4
14. Discuss how do you differentiate homicidal and suicidal death by same type of drug by intoxication.
15. Write the applications of PCR in forensic science? Why is DNA considered as circumstantial evidence? Describe the steps of forensic toxicology investigation? 2+2+4
16. Discuss the procedure for the diagnosis of poisoning. State the importance of mt-DNA analysis. 6+2

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