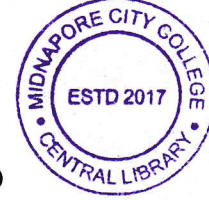


PG CBCS
M.Sc. Semester-I Examination, 2023
MEDICAL LABORATORY TECHNOLOGY
PAPER: MLT 195 (PRACTICAL)
(PHYSIOLOGY AND HAEMATOLOGY LAB)



Full Marks: 50

Time: 3 Hours

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- 1. Perform any ONE of the major experiments: 20X1=20**
- a. Determine the resting blood pressure and after exercise by Harvard step-test and identify the recovery period. (Perform the test: 10, write the procedure: 5 and draw the inference: 5).
 - b. Perform the differential count of the supplied blood sample. (Blood film preparation and staining & counting: 10, writing procedure: 5, inference: 5)
 - c. Estimate the Hb concentration from the supplied blood sample. (Perform the tests: 10, writing principle and procedure: 5, inference: 5).
- 2. Perform any ONE of the minor experiments: 15X1=15**
- a. Determine the total WBC count by haemocytometer. (Perform the tests: 7, calculation: 5, inference: 3).
 - b. Determine the pulse rate and breathing rate of the subject. (Perform the tests: 7, writing procedure: 5, inference: 3).
 - c. Determine the bleeding time and clotting time of the subject. (Perform the tests: 7, writing procedure: 5, inference: 3).
- 3. Laboratory record submission: 05**
- 4. Viva-voce: 10**
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