



Total page: 01

PG (CBCS)
M.Sc. Semester- II Examination, 2023
MEDICAL LABORATORY TECHNOLOGY
PAPER: MLT 201
(PATHOLOGY)

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 is ZE syndrome?
2. What are the precautions will you take during sputum sample collection?
3. Mention the cardinal sign of inflammation.
4. What is oncogene? Give an example? 1+1
5. Which are the symptoms of Varicose veins in Pregnant women?
6. Sate the characteristics of Milroy's disease.

GROUP-B

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

7. Discuss the cellular adaptive responses of reversible cell injury.
8. How do you calculate acid output in gastric juice analysis?
9. Discuss the physical features and biochemical composition of CSF.
10. Make a short note on Atherosclerosis.
11. Discuss the different methods of Urine collection.
12. What is occult blood test? Write the principle of this test. 1+3

GROUP-C

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

13. Write the comparison between apoptosis and necrosis. Make a short note on common enzyme markers of cell death. 5+3
14. Discuss the pathogenesis of metastasis with suitable illustrations. 8
15. Briefly discuss the lumber puncture procedure and its contradictions. Write the principle of Rope's state. 3+2+3
16. Discuss the standard guidelines to collect the semen samples. Make a list of parameters that need to be checked during semen analysis according to WHO guideline. State the importance of fructolysis in semen samples. 3+3+2