

PG CBCS
M.Sc. Semester-II Examination, 2022
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

- 1. Answer any two questions:** **8×2=16**
- a) Briefly describe the different types of necrosis with characteristics.
 - b) How do you describe the pathogenesis of metastasis with illustration?
 - c) What are the four stages of "Congestive heart failure (CHF)"? Describe the pathogenesis of Rheumatic fever. 4+4
 - d) Discuss the standard guidelines to collect the semen samples. Make a list of parameters that need to be checked during semen analysis according to the WHO guideline. State the importance of fructolysis in semen samples 3+3+2

GROUP - B

- 2. Answer any four questions:** **4×4=16**
- a) Briefly describe the lumbar puncture procedure and its contradictions. 2+2
 - b) How do you calculate peak acid output during gastric juice analysis? Mention the clinical importance of it. 2+2
 - c) Make a short note on "Mantoux test".
 - d) Write the principle and interpretation of the occult blood test. 2+2
 - e) What is hypoxia induced cell injury?
 - f) Differentiate acute and chronic inflammation.
 - g) How will you classify "PEM"? Write the characteristics of each type. 2+2
 - h) What are the signs and risk factors for the deep vein thrombosis? 2+2

GROUP - C

- 3. Answer any four questions:** **2X4 = 8**
- a) Write the application of Hollander's test.
 - b) What are the indications by low hCG level?
 - c) What are the precaution will you take during sputum sample collection?
 - d) What does it indicate if you found increased number of lymphocytes in CSF?
 - e) Mention the cardinal sign of inflammation.
 - f) Write advantages of multistix strip test?
 - g) Arthritis is caused by rheumatoid factors what is it?
 - h) What is oncogene? Give an example? 1+1
