

**2003000205020072**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**BACHELOR OF SCIENCE (FIFTH SEMESTER)**  
**MEDICAL LABORATORY TECHNOLOGY-XII (MLT-12-**  
**CLINICAL PATHOLOGY) LEVEL-2**

[Time: As Per Schedule]

[Max. Marks: 50]

**Instructions:**

**1. Fill up strictly the following details on your answer book**

- a. Name of the Examination: **BACHELOR OF SCIENCE (FIFTH SEMESTER)**
  - b. Name of the Subject: **MEDICAL LABORATORY TECHNOLOGY-XII (MLT-12-CLINICAL PATHOLOGY) LEVEL-2**
  - c. Subject Code No: **2003000205020072**
2. Sketch neat and labelled diagram wherever necessary.  
3. Figures to the right indicate full marks of the question.  
4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Answer in brief:**

**08**

1. Make a list of abnormal colours with expected reasons in the urine sample.
2. Give indications of analysis of stool sample
3. What is the importance of fructose determination in semen analysis?  
Name the test used for qualitative estimation of fructose in semen.
4. Define the terms: Transudate and Exudate.

**Q.2 Attempt any TWO of the following:**

**14**

1. Enlist stool concentration methods for detection of intestinal parasites and describe any one in detail.
2. Enlist the preservatives used in urine. Explain different methods used for collection of Urine sample.
3. Explain the microscopic examination of semen.

**Q.3 Write essay on any ONE of the following: 14**

1. Physical and microscopic examination of stool.
2. Collection, composition and routine analysis of Synovial fluid.

**Q.4 Write short note on any TWO of the following: 14**

1. Sperm motility test.
2. Pericardial fluid examination
3. Reagent strip method for urine.

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