2003000205020072
EXAMINATION JUNE - 2025 (PURAK EXAM)
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 (MT-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:

Student's Signature

Q.1 Answer in brief: **08**

1. What is the importance of sperm count determination in semen analysis?
2. Name the sugar detected from urine in Diabetes mellitus. Give name of the methods used for its test.
3. What is mucin clot test? Give its importance.
4. What is occult blood test? Name the test for occult blood examination in stool.

Q.2 Attempt any TWO of the following: **14**

1. Give physical and chemical examination of CSF sample.
2. Give indication and routine examination of synovial fluid.
3. Describe the microscopic examination of sputum.

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

1. Physical, chemical and microscopic examination of Urine.
2. What is stool concentration technique? Give details about various stool concentration techniques.

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

1. Pericardial fluid chemical examination.
2. Indications and chemical analysis of gastric juice.
3. Microscopic examination of semen.

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