



RAN-2003000205020072

B.Sc. MLT (Sem. -V) Examination October - 2025 Medical Laboratory Technology - XII (Paper - MLT - 12) Clinical Pathology

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Draw the figures wherever required. (3) Figures to the right indicate the marks.	Seat No.: <table border="1" style="width: 100%;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> Student's Signature						

- Q.1. Answer the following in brief: [08]**
1. What is the urine collection procedure for diagnosis of UTIs.
 2. What is the composition of synovial fluid.
 3. Which are the different concentration techniques for stool analysis?
 4. What is Xanthochromia?
- Q.2. Answer in brief any two of the following: [14]**
1. Explain the composition, collection and preservation of urine.
 2. Physical and Chemical examination of Peritoneal fluid.
 3. Indication and routine analysis of stool.
- Q.3. Write an essay on any one of the following: [14]**
1. Collection, Composition and routine analysis of Synovial fluid.
 2. Collection, Composition and routine analysis of Gastric juice.
- Q.4. Write short note on any two of the following: [14]**
1. Indication and routine laboratory analysis of semen sample.
 2. Automated urine analysis and reagent strip method.
 3. Pregnancy test.