



RAN-22032302020001

PGDMLT (Sem. II) Examination March - 2026

PGDMLT - 2002 : Clinical Pathology

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book. (2) Illustrate your answers with diagrams wherever necessary. (3) Figures to the right indicates the marks allotted to the questions.	Seat No.: <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> Student's Signature						

Q. 1 Answer in one or two sentences each: (Any 7) (14)

1. Define: Glycosuria and Proteinuria.
2. What is Haematuria? Give its clinical significance.
3. What is liquefaction time in semen analysis? Give its normal range.
4. Name any two fixatives used for preservation of stool sample for parasite examination.
5. Give the normal range of glucose and chloride in CSF.
6. Define traumatic tap in CSF.
7. Give important point of difference between gout and pseudogout.
8. Explain viscosity test in synovial fluid analysis.

Q. 2 Attempt any two of the following: (14)

1. Explain Ketones in urine. Give the detection methods for ketonuria.
2. Give details on crystals in Urine.
3. Volume of urine plays important role in correlating various clinical conditions. Justify.

Q. 3 Answer any two of the following: (14)

1. Write a note on Occult blood test in stool.
2. Describe the microscopic examination of semen.
3. Discuss the microscopic examination of sputum sample for suspected cases of TB and bacterial pneumonia.

Q. 4 Write short notes on any two of the following: (14)

1. What are the common reasons for CSF analysis?
2. What are the different types of CSF analysis? Give CSF findings in bacterial and viral meningitis.
3. What are the functions of CSF? Give details on CSF sample collections.

Q. 5 Answer any two of the following: (14)

1. Write a note on Chemical examination of synovial fluid.
2. Discuss the chemical examination of pleural fluid.
3. Explain the technique to collect peritoneal fluid and also discuss its physical examination.