



RAN-22032302020001

PGDMLT : (Sem.-II) Examination October - 2025

PGDMLT -2002: Clinical Pathology (Paper-02)

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 indicate the marks allotted to the questions.

Seat No.:

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Student's Signature

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

1. Which type of urine specimen should be used for chemical analysis?
2. Name two common preservatives used in urine sample preservation.
3. What is liquefaction time of semen?
4. What is concentration technique in stool analysis?
5. Give normal colour and appearance of CSF.
6. Give specifications of CSF collection needle.
7. What is the protein concentration in transudate and exudate
8. What is viscosity test and in which fluid it is performed?

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

1. Give formation and composition of urine.
2. Give a brief on microscopic examination of urine explaining with significance.
3. Enumerate the causes of glucosuria. Enlist tests for glucose in urine. Give any one in detail

Q.3. Answer any two of the following: **14**

1. State the indications of stool examination and discuss its microscopic examination.
2. Describe the procedure and clinical significance of chemical examination of semen.
3. Explain microscopic examination of sputum.

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

1. What is CSF? Give collection procedure of CSF.
2. Give normal CSF parameters. Give chemical examination of CSF in brief
3. Give indications of CSF examination. Give Physical examination of CSF in detail.

Q.5. Answer any two of the following: **14**

1. Write a note on physical and chemical analysis of pericardial fluid.
2. What is Exudate? How do you distinguish between transudate and exudate ascitic fluid ?
3. Give normal composition of synovial fluid? Explain its physical examination.