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RAN-22032302020001

P.G.D.M.L.T. (Sem. II) Examination March - 2025

2002 : Clinical Pathology

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

P.G.D.M.L.T. (Sem. II)

Name of the Subject :

2002 : Clinical Pathology

Subject Code No.: **22032302020001**

Seat No.:

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Student's Signature

- (2) Illustrate your answers with diagrams wherever necessary.
- (3) Figures to the right indicate the marks allotted to the questions.

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

14

1. What is polyuria? Give its causes.
2. What are the ketone bodies present in the urine?
3. What is oligospermia and asospermia?
4. What is occult blood test in stool analysis?
5. Write down the normal composition of CSF.
6. Enumerate the causes of clot and pellicle formation in CSF
7. Give synovial fluid chemical changes in inflammatory conditions.
8. What is viscosity test and in which fluid it is performed?

Q.2 Attempt any two of the following:

14

1. What are the normal physical characteristics of urine? Give urine physical examination in detail.
2. Give abnormal microscopic finding in urine with significance.
3. Enumerate the causes of proteinuria. Enlist tests for protein in urine.
Give any one in detail

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Q.3 Answer any two of the following: 14

1. State the indications of sputum Acid fast bacilli (AFB) examination.
Write in short on sputum AFB staining techniques.
2. Describe the procedure and clinical significance of microscopic examination of stool.
3. What is significance of fructose content of semen? Describe the method for detection of fructose.

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

1. What is xanthochromia? Give physical examination procedure of CSF.
2. Why analyse CSF? Give normal CSF colour, appearance and composition.
3. Give functions and formation of CSF.

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

1. Give normal features of pericardial fluid. Give in detail its physical examination
2. What is asitic fluid? Explain its chemical examinations.
3. Give synovial fluid locations and functions? Explain its microscopic examination for crystals.
