

22032302020001
EXAMINATION FEBRUARY-MARCH 2024
POST GRADUATE DIPLOMA IN MEDICAL LABORATORY
TECHNOLOGY (SECOND SEMESTER)
CLINICAL PATHOLOGY (THEORY)-LEVEL 2

[Time: As Per Schedule]

[Max. Marks: 70]

Instructions:

- 1. Fill up strictly the following details on your answer book**
 - a. Name of the Examination : **POST GRADUATE DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (SECOND SEMESTER)**
 - b. Name of the Subject : **CLINICAL PATHOLOGY (THEORY)-LEVEL 2**
 - c. Subject Code No : **22032302020001**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Answers to each section to be written in separate answer books.

Seat No:

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Student's Signature

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

14

1. Mention the principle of fouchet's tests and its use.
2. Which preservatives can preserve glucose in urine samples?
3. Collection of sputum sample.
4. Name any two transport medias used for stool sample and give their importance.
5. Give the normal range of protein and chloride in CSF.
6. What are the indications of CSF examination?
7. What is the significance of hyaluronic acid in synovial fluid? How can it be determined?
8. Name the method for collection of Pleural and Peritoneal fluid.

Q.2 Attempt any two of the following:

14

1. Write a brief note describing the significance of volume and specific gravity of urine sample.
2. Proteinuria and its detection.
3. How are casts formed in urine? Mention the types of casts with their significance.

Q.3 Answer any two of the following: 14

1. Discuss the physical examination of sputum.
2. Enlist the concentration techniques for stool analysis. Explain any two techniques in detail.
3. Explain microscopic examination of semen sample.

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

1. Explain Xanthochromia and physical examination of CSF
2. Collection of CSF.
3. Microscopic examination of CSF.

Q.5 Attempt any two of the following: 14

1. Pleural fluid analysis: Collection and Physical Examination.
2. Give a brief on microscopic analysis of Synovial fluid.
3. Differentiate between transudate and exudate.
