220323020202000l
EXAMINATION NOVEMBER 2024 (ATKT EXAM)
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 : **2203230202020001**
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. Answer to each section to be written in separate answer books.

Seat No:

Student's Signature

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

1. Enlist any two preservatives used for urine sample along with its importance.
2. Name the protein responsible for formation of matrix of casts. Give any two examples of abnormal casts.
3. Mention indications of semen examination.
4. When are bronchial casts and sulphur granules seen during macroscopic examination of sputum?
5. What is the normal range of specific gravity and protein in CSF?
6. Give principle and use of Pandy's test.
7. Which substance is responsible for viscosity of synovial fluid? Name the tests used to detect it.
8. Give the normal range of protein and glucose in pericardial fluid.

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

1. Detection and significance of Bile salts and Bile pigments in urine.

2. Different colours and odours of urine help to identify various diseases. Justify
3. Collection of urine sample.

Q.3 Write short notes on any two of the following: 14

1. Write a note describing physical examination of stool sample.
2. Discuss the microscopic examination of semen.
3. Give collection and microscopic examination of sputum for TB diagnosis.

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

1. Collection of CSF.
2. Chemical examination of CSF.
3. Microscopic Examination of CSF.

Q.5 Write short notes on any two of the following: 14

1. Collection and microscopic examination of peritoneal fluid.
2. Physical and chemical examination of Pleural fluid.
3. Microscopic examination of Synovial fluid.

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