

**2103000206020074**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**BACHELOR OF SCIENCE**  
**(THIRD YEAR) (SIXTH SEMESTER)**  
**MEDICAL LABORATORY**  
**TECHNOLOGY – XX – LEVEL 2**  
**(MLT-20-PATHOPHYSIOLOGY)**

[Time: As Per Schedule]

[Max. Marks: 50]

**Instructions:**

1. Fill up strictly the following details on your answer book
  - a. Name of the Examination : **BACHELOR OF SCIENCE (THIRD YEAR) (SIXTH SEMESTER)**
  - b. Name of the Subject : **MEDICAL LABORATORY TECHNOLOGY – XX – LEVEL 2 (MT-20-PATHOPHYSIOLOGY)**
  - c. Subject Code No : **2103000206020074**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Answer in short**

**8**

- 1) What is Clearance test? Write its use.
- 2) Write full form of SGPT and ALP
- 3) What is normal pH of blood? Enlist blood pH regulatory mechanisms
- 4) Write behaviour pattern of Troponin T in Myocardial infarction?

**Q.2 Comment on the following (Any Two)**

**14**

- 1) Enlist and explain functions of kidney.
- 2) Explain excretory function test
- 3) Write tests to measure metabolic effect of thyroid hormone.

**Q.3 Write an essay on any one of the following**

**12**

- 1) Write an essay on cardiac markers
- 2) What is Acidosis? Write its types and explain in detail.

**Q.4 Write short note on any Two of the following**

**16**

- 1) Test to measure renal plasma flow
- 2) V D Bergh reaction
- 3) Haemoglobin as blood buffer

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