

**2303000501037001**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**BACHELOR OF SCIENCE(FIRST SEMESTER) NEP**  
**MINOR MEDICAL LABORATORY TECHNOLOGY**  
**PAPER-I (INSTRUMENTS AND EQUIPMENTS OF**  
**MEDICAL LABORATORY) THEORY**  
**LEVEL-3**

[Time: As Per Schedule]

[Max. Marks: 25 ]

**Instructions:**

1. **Fill up strictly the following details on your answer book**
  - a. Name of the Examination : **BACHELOR OF SCIENCE (FIRST SEMESTER) NEP**
  - b. Name of the Subject : **MINOR MEDICAL LABORATORY TECHNOLOGY PAPER - I (INSTRUMENTS AND EQUIPMENTS OF MEDICAL LABORATORY) THEORY**
  - c. Subject Code No : **2303000501037001**
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 the following in one or two sentences: (Any 5)**

**5**

1. Give the full form of pH.
2. Which materials can be sterilized using hot air oven?
3. \_\_\_\_\_ are the rectangular tubes to hold solutions for photometric readings in a colorimeter.
4. Describe Erlenmeyer flask.
5. Give two examples of desiccants used in the clinical laboratory.
6. Name the cleaner used to remove iodine stains from the glasswares.

**Q.2 Answer the following (Any two) :**

**10**

1. Mention the principle and components of Autoclave.
2. Describe the electrodes of pH meter.
3. Write the principle of centrifuge and describe its types.

**Q.3 Attempt the following (Any two):**

**10**

1. Discuss the cleaning of glassware in the clinical laboratory.
2. Describe the various types of tubes used in the Medical Technology Laboratory.
3. Explain Gravimetric method for calibration of glassware.

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