

1903000202030071
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (SECOND SEMESTER)
MEDICAL LABORATORY TECHNOLOGY PAPER-III
FUNDAMENTALS OF MEDICAL TECHNOLOGY

[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 (SECOND SEMESTER)**
 - b. Name of the Subject : **MEDICAL LABORATORY TECHNOLOGY PAPER-III FUNDAMENTALS OF MEDICAL TECHNOLOGY**
 - c. Subject Code No : **1903000202030071**
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:

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1. How are ear specimens collected and transported?
2. Who is phlebotomist?
3. Which materials cannot be sterilized by dry heat?
4. Mention any four characteristics of an ideal disinfectant.

Q.2 Explain the following: (any two)

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1. How can urinogenital specimens be collected, preserved, transported and stored?
2. Explain the "Liquid Filtration"- a method use to remove microorganisms.
3. Write the mode of action of chlorine and give its practical applications.

Q.3 Answer the following: (any two)

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1. Define: Non-Ionizing radiation. What is the mode of action of UV radiation on microorganisms?
2. Explain the separation of serum and plasma from whole blood.
3. What is phenol? Discuss the role of phenol as antimicrobial chemical agent. Give the practical applications of phenol.

Q.4 Write short notes on: (any two)

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1. Gaseous chemical sterilants.
2. Collection and preservation of sputum sample.
3. Anticoagulants.
