

2203000205030075
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FIFTH SEMESTER)
MICROBIOLOGY
GE-1: QUALITY CONTROL AND QUALITY ASSURANCE
LEVEL 3

[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 (FIFTH SEMESTER)**
- b. Name of the Subject : **MICROBIOLOGY GE-1: QUALITY CONTROL AND QUALITY ASSURANCE LEVEL 3**
- c. Subject Code No : **2203000205030075**
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 Give the specific answers

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- a. What is quality control?
- b. Define: Precision
- c. Define: Auditors
- d. Write the definition of "Record".
- e. What is the full form of GLP?
- f. Write the full form of HACCP.
- g. Which biological safety cabinet is referred as a "Glovebox"?
- h. What is the preferred method for all decontamination processes?

Q.2 Explain/comment on any two of the following.

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- a. Explain documentation of office facilities and staff personnel for ISO 15189:2007 certified medical laboratories
- b. Comment: "Various activities and guidelines should be followed for health and medical surveillance in containment laboratories – Biosafety Level 1,2 and 3".

- c. Comment: Quality assurance is an important consideration to evaluate laboratory performance.

Q.3 Answer the following [Any two]:

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- a. Write various aspects of a pathology laboratory included in QLPs.
- b. What points should be considered while auditing for method and equipment validation in microbiology laboratory?
- c. Discuss Laboratory design and facilities found in biosafety level 3.

Q.4 Write note on any two of the following

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- a. Clinical and laboratory standard institute(CLSI)
- b. Microbiological risk assessment
- c. Planning and management of audits.
