

2103000203026002
EXAMINATION NOVEMBER 2024
BACHELOR OF SCIENCE (NON-NEP) (THIRD SEMESTER)
MICROBIOLOGY PAPER - VI (MB-302-CONTROL OF
MICROORGANISMS IN THE ENVIRONMENT)

[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 (NON-NEP) (THIRD SEMESTER)**
 - b. Name of the Subject : **MICROBIOLOGY PAPER - VI (MB-302-CONTROL OF MICROORGANISMS IN THE ENVIRONMENT)**
 - c. Subject Code No : **2103000203026002**
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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- 1) Define microbial death rate.
- 2) What are detergents?
- 3) What should be the criteria for agents used for the control of microbes?
- 4) Which agency has registered OPA as a high-level disinfectant?
- 5) State the temperature and pressure at which autoclave works.
- 6) Give two examples of ionizing radiation.
- 7) Give two examples of chloramines.
- 8) Who proposed the use of phenol as an antimicrobial agent?

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

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- 1) Comment on the use of halogens as antimicrobial compounds.
- 2) Compare and contrast actions of disinfection, antiseptics, chemotherapy and sterilization.
- 3) Justify: The filtration method is one of the effective methods to remove microorganisms.

Q.3 Discuss any two of the following

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- 1) Describe the heat related methods to control microorganisms.
- 2) Write a detail note about Sterilizing Gases.
- 3) Explain in brief about acids and alkalis as Disinfectant.

Q.4 Write short note on any two of the followings

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- 1) Heavy metals can be use as disinfectant.
- 2) Explain in brief about the pattern of microbial death.
- 3) Basic idea and process of Refrigeration and freezing.
