

Q.P. CODE: 115016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations December 2025**

Microbiology

(Common for 2016 and 2024 Scheme)

Time: 3 Hrs

Max. Marks: 80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x10=20)

1. Write briefly about method of transmission, Laboratory diagnosis, Active Immunisation and Preventive measures of Hepatitis D viral infection. Mention about the association between Hepatitis D and Hepatitis B virus. (1+4+3+2)
2. Define Sterilization and Disinfection. Classify different methods of sterilization. Discuss briefly about Autoclave with neatly labeled Diagram. (2+4+2+2)

Short notes:

(6x5=30)

3. Different methods of hand hygiene.
4. Which are the opportunistic Fungal Infections in HIV infection. Mention about laboratory diagnosis of Pneumocystis jirovecii.
5. Rapid test for HIV infection.
6. Oral Polio Vaccine.
7. Mention about routinely used Media in Microbiology laboratory. Give examples with their uses.
8. Laboratory diagnosis of Intestinal amoebiasis.

Answer briefly:

(10x3=30)

9. Louis Pasteur.
10. Zoonosis.
11. Gram staining.
12. Active Immunity.
13. Hospital Infection Control Committee (HICC).
14. Mention three Vector borne infections.
15. Mention three Blood borne viral infections.
16. Personal Protective Equipment (PPE).
17. Mention three applications of Genetic Engineering.
18. Describe the method of urine collection in an infant.

CORRECTION / NO-CORRECTION FILE
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QPCODE: 115016

Dated: 22-12-2025

Question No.1

Modified as "Write briefly about method of transmission, Laboratory diagnosis, Active Immunisation and Preventive measures of Hepatitis B viral infection. Mention about the association between Hepatitis D and Hepatitis B virus."

Question No.4

Replaced with "Which are the opportunistic Fungal Infections in HIV infection. Mention about laboratory diagnosis of candidiasis."

Question No.5

Replaced with "Laboratory diagnosis of HIV."

Question No.7

Replaced with "Bacterial growth curve."

Question No.9

Replaced with "Bacterial spore."

Question No.10

Replaced with "Anaerobic culture media."

Question No.16

Replaced with "Biomedical waste management."

Question No.17

Replaced with "High level disinfectants."

Question No.18

Replaced with "Describe the infections caused by staphylococci and its laboratory diagnosis."

Extra time of 10 minutes allowed.

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS