

Q.P. CODE: 115016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary
Examinations August 2022**

**Microbiology
(2016 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. What are the modes of transmission of hepatitis B. Describe its laboratory diagnosis.
Write about the prophylaxis. (2+5+3)
2. Name four hospital associated infections. Describe the laboratory diagnosis and methods of prevention of HAIs. (2+4+4)

Short notes:

(6x5=30)

3. Staining methods for bacteria.
4. Describe the principle and functioning of autoclave.
5. Types of immunity with examples.
6. Laboratory diagnosis of cholera.
7. Opportunistic fungi.
8. Meningococcal meningitis

Answer briefly:

(10x3=30)

9. Enrichment media.
10. ASO test
11. Bacillary dysentery.
12. Categories of biomedical waste.
13. Candida albicans.
14. Prophylaxis of rabies.
15. Microfilaria.
16. Life cycle of pinworm (Enterobius vermicularis)
17. Laboratory diagnosis of urinary tract infection.
18. Bacterial spore
