

Q.P. CODE: 115016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary
Examinations August 2024**

**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. Define Hospital Acquired Infections (HAI). What are the types of HAI. Discuss briefly about Blood Stream Infections and their prevention. (2+2+2+4)
2. Define Biomedical waste. Discuss various categories of Biomedical waste. Mention about Color coding and treatment options used for their disposal. (2+4+2+2)

Short notes: (6x5=30)

3. DPT vaccine.
4. Post exposure Prophylaxis after Needle stick injury.
5. Blood culture in diagnosis of Typhoid.
6. Antimicrobial Sensitivity test.
7. Clinical manifestations of Candidiasis.
8. Laboratory diagnosis of Meningococcal meningitis.

Answer briefly: (10x3=30)

9. Different types of Microscope.
10. Methods of Gaseous Sterilisation.
11. Draw and neatly label bacterial cell wall.
12. Uses of Thick smear and Thin Smear in Parasitology.
13. Mention three common staining techniques in Microbiology.
14. Anaerobic culture media with their uses.
15. Mention three blood borne infections.
16. C-reactive protein (CRP)
17. Name one Vector borne infection and its Prevention.
18. Describe the method of urine collection in a pregnant female complaining of painful micturition.
