

First Year B.Sc Dialysis Technology Regular Examinations June 2021**Basics of Microbiology****Time: 3 Hours****Total Marks: 100**

- *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*

Essay**(20)**

1. Enumerate the plasmodium species causing infection in man. Describe in detail the morphology, life cycle and lab diagnosis of Plasmodium falciparum.

Short Notes**(10x8=80)**

2. Discuss in detail, moist heat method of sterilization.
3. Define health care associated infections (HAI) with examples. What are the major preventive measures to be adopted to control HAI.
4. Explain Bio medical waste segregation in hospital.
5. What are the different antimicrobial susceptibility tests done in the laboratory.
6. Discuss lab diagnosis of polio and write a note on polio vaccine.
7. Basic Immunology of Renal Allograft rejection
8. Detail different types of culture media used in lab diagnosis of bacterial infections.
9. Candidiasis.
10. Describe the diseases caused by Corynebacterium diphtheriae. Write a note on the sample collection and lab diagnosis of this organism.
11. Discuss the life cycle and lab diagnosis of Entamoeba histolytica.
