

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 19 Feb 2021

Time: Three Hours**Max. Marks: 80 Marks****MICROBIOLOGY (RS)****Q.P. CODE: 1681**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)**2 x 10 = 20 Marks**

1. Classify the genus *Staphylococcus*. Explain in detail the morphology, cultural characteristics, laboratory diagnosis, pathogenicity of *Staphylococcus aureus*.
2. Classify the genus *Mycobacterium*. Explain in detail about the morphology, cultural characteristics, laboratory diagnosis, pathogenicity and prophylaxis of *Mycobacterium tuberculosis*.
3. Explain the morphology, life cycle, pathogenicity, laboratory diagnosis of *Entamoeba histolytica*.

SHORT ESSAYS (Answer any Eight)**8 x 5 = 40 Marks**

4. Explain the steps in Gram staining with a neat labelled diagram.
5. Explain enriched culture media.
6. Define nosocomial infection. Explain urinary tract infection in detail.
7. Define vectors. Describe the types of vectors.
8. Define vaccines. Differentiate between Salk vaccine and Sabin vaccine.
9. Write a note on Salmonella.
10. Explain Dengue.
11. Autoclave.
12. Competitive ELISA.
13. Explain Fumigation.

SHORT ANSWERS**10 x 2 = 20 Marks**

14. Define Medical microbiology.
15. Define Pili.
16. Name two types of precipitation test.
17. Name two bacteria causing Nosocomial infection.
18. Define Antiseptic.
19. Name two DNA viruses.
20. Name four viruses causing aseptic meningitis.
21. Name two sexually transmitted diseases.
22. Mention five types of Immunoglobulin.
23. Differentiate between viable count and total count.
