

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 14-Sep-2020

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. Define Immunity. Enumerate the differences between active and passive immunity. Write in detail about innate immunity.
2. Enumerate the difference between bacteria and viruses. Describe in detail the cultivation of viruses.
3. Describe the morphology, life cycle, pathogenicity and laboratory diagnosis of *Entamoeba histolytica*.

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

4. Bacterial flagella
5. Differences between cell wall of gram positive and gram-negative bacteria
6. Inclusion bodies with suitable examples
7. Laboratory diagnosis of malaria
8. Live attenuated viral vaccines
9. Type III hypersensitivity
10. Laboratory diagnosis of Leptospirosis
11. Differences between *Streptococcus pneumoniae* and *Streptococcus viridians*
12. Acid fast staining
13. *Giardia intestinalis*

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

14. Enumerate the diarrheagenic *Escherichia coli*.
15. DPT vaccine
16. Collection of urine sample for bacterial culture
17. Name two anaerobic infections
18. Classification of *Mycobacteria*.
19. Enumerate two viral Sexually Transmitted Diseases (STDs).
20. Name two methods of transmission of infection.
21. List two diseases transmitted by mosquitoes.
22. Give two examples of bile stained ova.
23. Enumerate gases used in sterilisation.
