

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - 08-May-2025

Time: Three Hours

Max. Marks: 80

Microbiology – II (RS3)

Q.P. CODE: 3157

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY (Any Two)

2 x 10 = 20 Marks

1. Enumerate the organisms causing Pyogenic infection. Explain in detail the laboratory diagnosis of *Staphylococcus aureus*
2. List the general characteristics of Cestodes. Describe the morphology, life cycle, clinical manifestations and laboratory diagnosis of *Taenia saginata*
3. Classify Vibrios. Describe the pathogenicity and laboratory diagnosis of cholera

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Write a note on classification of *Streptococcus*
5. Write the principle, procedure and interpretation of Widal test
6. Explain the morphology and life cycle of *Entamoeba histolytica*
7. Explain the laboratory diagnosis of Diphtheria
8. Write a brief note on Standard tests of Syphilis (STS)
9. Explain the process of bacteriological examination of milk
10. Explain the morphology and life cycle of *Schistosoma haematobium*
11. Write a note on Bacillary dysentery

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Name any three bacteria causing UTI
13. Write the principle, procedure and interpretation of catalase test
14. Write a note on bile solubility test
15. Name any three Gram positive bacteria
16. Name any three motile bacteria
17. Describe the egg of *Ascaris lumbricoides*
18. Name any three arthropods of medical importance
19. Name any three bacteria causing food poisoning
20. Name the etiological agent of tetanus. Write a note in its prophylaxis
21. Describe the morphology of *Neisseria gonorrhoeae*
22. Write a note on *Microfilaria*
23. Name any three non-lactose fermenting bacteria
