

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year B.Sc. (M.L.T) Degree Examination – 07-May-2026

Time: Three Hours

Max. Marks: 100 Marks

MICROBIOLOGY – II (RS-4)

Q.P. CODE: 3280

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

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Describe the morphology and cultural characteristics of Salmonella typhi. Write in detail about laboratory diagnosis of Typhoid fever.
2. Describe the lifecycle, pathogenicity and laboratory diagnosis of Entamoeba histolytica.

OR

Describe the pathogenicity and laboratory diagnosis of cholera.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Pathogenicity and laboratory diagnosis of Leptospira.
4. Infections causes by streptococcus pyogenes.
5. Morphology and clinical feature of Ascaris Lumbricoides.

OR

Name two bacterial toxoid vaccines and write briefly on vaccine for tetani.

6. Write a note on Wool-sorter's disease.
7. List three bacteria causing sexually transmitted disease in humans and write on VDRL test.
8. Morphology and laboratory diagnosis of Giardia lamblia.
9. Concentration methods for stool examination.
10. Presumptive coliform count.

OR

Toxigenicity testing for Corynebacterium diphtheria.

11. Peripheral smear examination for malaria.
12. Name three bacteria showing antibiotic resistance and write briefly on MRSA.

SHORT ANSWER

10 x 3 = 30 Marks

13. Oxidase test.
14. Liver fluke.
15. Name three species of clostridium and diseases caused by them.
16. Bile solubility test.
17. Satellitism.
18. Black water fever.
19. Name three-gram negative bacteria causing Urinary Tract Infections.
20. Mantoux test.
21. Casoni's test.
22. Name three opportunistic protozoal infections.
