

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year B.Sc. (M.L.T) Degree Examination – 04-Jun-2024

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, lifecycle and laboratory diagnosis of *Ascaris lumbricoides*.
2. Normal Flora of the Human body.

OR

Describe the morphology, pathogenicity and laboratory diagnosis of *Mycobacterium tuberculosis*.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Kirby Bauer disc-diffusion method.
 4. Halophilic *Vibrio*'s.
 5. DPT vaccine.
- OR**
6. Laboratory diagnosis of *Wuchereria bancrofti*.
 7. Life cycle of *Plasmodium Vivax*.
 8. WIDAL test.
 9. Laboratory diagnosis of Leishmaniasis.
 10. Name three sexually transmitted bacteria and add a note on general laboratory diagnosis of sexually transmitted diseases.

OR

Life cycle of *Ancylostoma duodenale*.

11. Methylene Blue Reduction test (MBRT).
12. Name three capsulated bacteria and add a note on Quellung reaction.

SHORT ANSWER

10 x 3 = 30 Marks

13. Write three differences between *Taenia sodium* and *Taenia saginata*.
14. Catalase test.
15. Name three selective media for *Shigella*.
16. Name three bacteria causing food poisoning.
17. Name three species of *Schistosoma* causing human infections.
18. Name any three pigment producing Bacteria.
19. NIH swab.
20. Draw a neat, labelled diagram of Egg of *Trichuris trichiura*.
21. Urease test.
22. Write three differences between bacillary dysentery and Amoebic dysentery.
