

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - 26-Nov-2024

Time: Three Hours

Max. Marks: 80 Marks

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 hospital-acquired infections. Describe the source and modes of transmission of hospital-acquired infections.
2. Describe the life cycle of *E. histolytica*. How do you diagnose this infection in the laboratory?
3. Describe the morphology, life cycle and laboratory diagnosis of *Taenia solium*.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Anti Streptolysin O test
5. Urinary tract infection
6. Manifestations of *Staphylococcus aureus*
7. *Balantidium coli*
8. *Microfilaria*
9. Anthrax
10. Enumerate the morphological forms of *Leishmania donovani*.
11. Stormy clot reaction

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Enumerate three zoonotic diseases transmitted by consumption of milk.
13. Oxidase test
14. List three differences between Exotoxin and Endotoxin.
15. Name three species of *Klebsiella*.
16. Laboratory diagnosis of Hook worm infection
17. NIH Swab
18. Lepromin test
19. Selective media
20. Casoni's test
21. Passive immunization for Tetanus
22. IMViC test
23. Draw a neat labeled diagram of *Giardia lamblia*.
