



Rajiv Gandhi University of Health Sciences, Karnataka
Second Year B.Sc. (M.L.T) Degree Examination – 19-May-2023

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, life cycle, pathogenicity and clinical manifestations of *Entamoeba histolytica*
2. Enumerate the organisms causing pyogenic infections. Describe the laboratory diagnosis of *Staphylococcus aureus*

OR

Explain Hospital acquired infections and prevention of Hospital Infection

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Explain Laboratory diagnosis of Neisseria
 4. Explain principle and procedure of Acid fast staining
 5. Antibiotic susceptibility test
- OR**
- Describe in detail Blood culture
6. Enumerate organism causing Food poisoning. Explain in detail pathogenesis and laboratory diagnosis of Bacillus
 7. Explain pathogenicity of *Treponemapallidum*
 8. RNTCP
 9. Explain life cycle of Echinococcus
 10. Indole test
- OR**
- Oxidase test
11. Explain stool examination
 12. Peripheral smear examination for Malaria

SHORT ANSWER

10 x 3 = 30 Marks

13. Name three Bile stained Ova
14. Name three Gram negative bacteria
15. Name three parasites causing diarrhoea
16. PUO
17. CAMP Test
18. Neat labelled diagram of *Trichomonas vaginalis*
19. Name halophilic vibrios
20. Catalase Test
21. Name any three bacteria causing UTI
22. MRSA
