

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (M.L.T) Degree Examination – OCT-2019

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 ESSAYS (Answer any Two)**2 x 10 = 20 Marks**

1. Classify Streptococci. Describe the morphology, cultivation, pathogenicity and the laboratory diagnosis of Streptococcus pyogenes.
2. Enumerate the bacteria causing zoonotic diseases. Describe the morphology, cultivation, pathogenicity and laboratory diagnosis of Bacillus anthracis.
3. Describe the morphology, life cycle and pathogenicity of Entamoeba histolytica. Write a note on extra intestinal amoebiasis.

SHORT ESSAYS (Answer any Six)**6 x 5 = 30 Marks**

4. Virulence factors of Staphylococcus aureus.
5. Toxigenicity testing of Corynebacterium diphtheriae.
6. Nagler's reaction.
7. Diarrhoeagenic Escherichia coli.
8. Concentration techniques for helminthic eggs.
9. Laboratory diagnosis of Kala-azar/Leishmaniasis.
10. Life cycle of Echinococcus granulosus.
11. Life cycle of Wuchereria bancrofti.

SHORT ANSWERS (Answer any Ten)**10 x 3 = 30 Marks**

12. Bile solubility test.
13. Tetanospasmin.
14. Laboratory diagnosis of Actinomycosis.
15. Complications of gonorrhea.
16. Name any three selective medias used for Shigella.
17. Detection of carriers of enteric fever.
18. Define definitive host. Give two examples.
19. Describe the morphology of Giardia lamblia.
20. Erythrocytic schizogony.
21. Cysticercus cellulosae.
22. Eggs of Ascaris lumbricoides.
23. Loa loa.
