



Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - April-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 ESSAY (Any Two)**2 x 10 = 20 Marks**

1. Enumerate the organisms causing meningitis. Describe the morphology cultivation, pathogenicity and laboratory diagnosis of Meningococcal meningitis.
2. Classify Mycobacteria. Describe in detail the pathogenicity and laboratory diagnosis of pulmonary tuberculosis.
3. Classify Cestodes. Give a detailed account of morphology, life cycle, pathogenicity and laboratory diagnosis of Echinococcus granulosus.

SHORT ESSAY (Any Six)**6 x 5 = 30 Marks**

4. Laboratory diagnosis of Urinary Tract Infections
5. Blood Culture
6. Coagulase Test
7. Laboratory diagnosis of Gas gangrene
8. Prophylaxis for Diphtheria
9. Morphology and life cycle of Entamoeba histolytica
10. Life cycle of Plasmodium vivax
11. Laboratory diagnosis of Wuchereria bancrofti

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

12. Elek's gel precipitation test
13. Morphology of Trichomonas vaginalis
14. Oxidase test
15. NIH Swab
16. Milk ring test
17. VDRL Test
18. Name three Bacterial vaccines.
19. Name three Bile stained ova.
20. Name the etiological agent of Whooping cough. Add a note on its prophylaxis.
21. Phenyl Pyruvic Acid (PPA) test
22. Morphology of Pneumococcus
23. Eggs of Ascaris lumbricoides
