



Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - APRIL 2015

Time: Three Hours

Max. Marks: 80 Marks

Microbiology – Paper II (RS-3 Scheme)

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. Name the etiological agent of Syphilis. Explain in detail about pathogenicity and laboratory diagnosis of Syphilis.
2. Classify Vibrios. Describe the pathogenicity and laboratory diagnosis of Cholera.
3. Enumerate the intestinal nematodes. Explain the lifecycle and laboratory diagnosis of *Ascaris lumbricoides*.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Explain the morphology and cultural properties of *Mycobacterium tuberculosis*.
5. Classify *Streptococcus*.
6. Laboratory diagnosis of Tetanus
7. Laboratory diagnosis of Anthrax
8. Widal test
9. Stool examination for parasitic infections
10. Life cycle of *Toxoplasma gondii*
11. Microfilaria of *Wuchereria bancrofti*

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Nagler reaction
13. CAMP test
14. Antistreptolysin O test
15. Enumerate the Diarrheagenic *Escherichia coli*.
16. Indole test
17. Satellitism
18. LD bodies (Leishman-Donovan bodies)
19. Difference between *Taenia solium* and *Taenia saginata* (any three differences)
20. Egg of Hook Worm
21. Gametocytes of *Plasmodium falciparum*
22. Mantoux test
23. Morphology of Hydatid cyst

