

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - SEP 2017

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. Describe the morphology, culture characteristic, pathogenicity and laboratory diagnosis of *Vibrio cholerae*.
2. Mention the intestinal nematodes. Give an account of life cycle, pathogenicity and laboratory diagnosis of *Ascaris lumbricoides*.
3. Enumerate the bacteria causing meningitis. Describe the cultural characters and laboratory diagnosis of Meningococcal meningitis.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Laboratory diagnosis of Filariasis
5. VDRL test
6. Botulism
7. Laboratory diagnosis of whooping cough
8. Nagler reaction
9. Enzymes and toxin produced by *Staphylococcus aureus*
10. Cysticercosis
11. Widal test

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Oxidase test
13. Satellitism
14. Medusa head appearance
15. Castaneda's method of blood culture
16. Mantoux test
17. Casoni's test
18. Mycoplasma
19. Black water fever
20. Name three bile stained ova.
21. Name the concentration techniques for stool.
22. Infection produced by *Klebsiella*
23. *Cryptosporidium*
