

Rajiv Gandhi University of Health Sciences

First Year M.Sc. (MLT) Degree Examination - OCT-2019

[Time: 3 Hours]

[Max. Marks: 100]

MICROBIOLOGY – I
(Revised Scheme – 2)
Q.P. CODE: 9812

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Section A and section B are to be written in same Answer Book

Section A - Clinical Microbiology [50 marks]

LONG ESSAY

1 X 20 = 20 Marks

1. Mention the intestinal nematode. Give an account of the morphology, life cycle, pathogenicity, laboratory diagnosis of *Ascaris lumbricoides*.

SHORT ESSAY (Attempt any six)

6 X 5 = 30 Marks

2. Prophylaxis of Rabies
3. Dengue
4. Laboratory diagnosis of Tuberculosis
5. Autoclave
6. Robert Koch - contributions
7. Clinical manifestations of *Candida albicans*
8. Laboratory diagnosis of Hepatitis B virus infection
9. Antibiotic sensitivity test

Section B – Immunology and Molecular Biology [50 marks]

LONG ESSAY

1 X 20 = 20 Marks

10. Define and classify Immunity. Write in detail about Innate Immunity.

SHORT ESSAY (Attempt any six)

6 X 5 = 30 Marks

11. Type I Hypersensitivity
12. Structure of MHC class I and class II molecules
13. Transduction
14. Structure of immunoglobulins
15. Mechanism of Autoimmunity
16. Replication of DNA
17. B cell
18. Immunization schedule

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