

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - 24-Sep-2021

Time: Three Hours

Max. Marks: 100 Marks

MICROBIOLOGY – PAPER I (RS3)

Q.P. CODE: 1083

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS

2 x 10 = 20 Marks

1. Enumerate the causes of acute food bacterial poisoning. Describe the pathogenesis, clinical manifestations and laboratory diagnosis of food poisoning.
2. Define Hypersensitivity. Describe type IV hypersensitivity.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Gram negative cell wall.
4. Ethylene oxide sterilization.
5. MDR – tuberculosis.
6. Uses of detecting IgM antibodies.
7. Enzyme Linked Immunosorbent Assay (ELISA).
8. Genetic mechanisms of drug resistance.
9. Streptococcus pneumonia.
10. Complement deficiency disorders.
11. Laboratory diagnosis of Leptospirosis.
12. Scrub typhus.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Recombinant vaccine.
14. IgE antibodies.
15. Class II human leucocytic antigens.
16. Anaerobic culture methods.
17. Bacterial capsule.
18. Selective culture media.
19. Cartridge based nucleic acid amplification test for Tuberculosis (CB-NAAT).
20. Diphtheria vaccine.
21. Name three organ specific autoimmune diseases.
22. Methicillin Resistance Staphylococcus aureus (MRSA)
