

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - 07-Mar-2022

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 organisms causing Acute Pyogenic meningitis. Describe the various laboratory diagnostic methods to diagnose Acute Pyogenic meningitis.
2. What are monoclonal antibodies? Describe their methods of production and their clinical uses.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Bacterial spore and methods of killing the spores.
4. Ethylene oxide sterilization.
5. Type III hypersensitivity reaction.
6. Herd immunity.
7. Adult immunization.
8. Transduction.
9. Methicillin resistant staphylococcus aureus (MRSA)
10. Biological functions of complement.
11. Sexually transmitted bacterial infections.
12. Mycoplasma pneumoniae.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Adjuvants.
14. Labelled diagram of IgM.
15. HLA (Human Leukocyte Antigens) typing methods.
16. Molecular mimicry
17. Transposons.
18. Bacterial growth curve.
19. Rapid diagnostic tests for Tuberculosis.
20. Vaccination against Tetanus.
21. L-forms
22. Uses of immunochromatographic tests.
