

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JULY 2015

Time: Three Hours

Max. Marks: 100 Marks

Microbiology – Paper I (Revised Scheme)

Q.P. CODE: 1058

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 9 = 18 Marks

1. Classify Mycobacteria. Describe in detail the pathogenesis and laboratory diagnosis of Pulmonary Tuberculosis. (2+3+4 = 9 marks)
2. Enumerate cells involved in immune response. Describe in detail Cell Mediated Immunity. (3+6 = 9 marks)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Principle and applications of Fluorescent Microscope
4. Structure and functions of bacterial cell wall
5. Laboratory diagnosis of Cholera
6. Transposons
7. Monoclonal antibodies – principle and its applications
8. Graft rejection
9. Mechanisms of Innate Immunity
10. Laboratory diagnosis of Gonorrhoea
11. Laboratory diagnosis of Tetanus
12. Bacterial food poisoning

SHORT ANSWERS

16 x 2 = 32 Marks

13. Transport media
14. Oxidase test
15. Cultivation of Mycobacterium Leprae
16. Methods to demonstrate Spirochaetes
17. Name four Lactose fermenters
18. Milk ring test
19. Name four bacteria causing Meningitis.
20. Mention the non-suppurative complications caused by Streptococcus Pyogenes.
21. M'Fadyean's reaction
22. Mention Type III Hypersensitivity reactions.
23. Structure of Ig M
24. Local immunity
25. Plasmids
26. Mention two Chemical Sporicidal Agents
27. Bacteriocins
28. Incineration
