



Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - June 2014

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 Clostridia of medical importance. Describe the pathogenicity and laboratory diagnosis of Gas Gangrene. (2+3+4 = 9 marks)
2. Define Complement. Describe the classical complement pathway. Mention the biological effects of Complement. (2+4+3 = 9 marks)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Widal test
4. Bacterial growth curve
5. Immunofluorescence in diagnostic Microbiology
6. Hot air oven
7. IgM
8. Laboratory diagnosis of Leptospirosis
9. Type IV Hypersensitivity
10. Staphylococcal food poisoning
11. Bacterial Drug Resistance
12. Mention the differences between Classical and EL Tor Vibrios

SHORT ANSWERS

16 x 2 = 32 Marks

13. BCG vaccine
14. Oxidase test
15. Herd immunity
16. Pasteurization
17. Antibiotic associated Colitis
18. Contributions of Robert Koch
19. Zone phenomenon
20. Neil Mooser's reaction
21. Albert's staining
22. Coagglutination test
23. Allograft
24. Quellung's test
25. Satellitism
26. Cultural characteristics of Mycoplasma
27. Principle of RPR test
28. Mention two important functions of Natural Killer cells.

