



Rajiv Gandhi University of Health Sciences, Karnataka

BBS (Phase - II) Degree Examination - JUNE 2017

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. Define Monoclonal Antibodies. Describe Hybridoma Technology. Add a note on uses of Monoclonal Antibodies. (2+4+3 = 9 marks)
2. Describe the pathogenesis and laboratory diagnosis of Tetanus. Add a note on its prophylaxis. (3+4+2 = 9 marks)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Contributions of Robert Koch
4. Bacterial cell wall
5. Functioning of an Autoclave
6. Transformation
7. Group B Streptococci
8. Laboratory diagnosis of cholera
9. BCG vaccine
10. Borrelia recurrentis
11. Enterotoxigenic Escherichia Coli
12. Weil Felix test

SHORT ANSWERS

16 x 2 = 32 Marks

13. Mention two disinfectants used for skin disinfection.
14. Mention two Zoonotic infections of bacterial etiology.
15. Artificial active immunity
16. Mention the methods of Immunoglobulin detection.
17. Mention the applications of Immunoelectrophoresis in diagnostic Microbiology.
18. Pasteurization
19. Mention two tests for HLA typing.
20. Methicillin Resisted Staphylococcus Aureus (MRSA)
21. Prausnitz-Kustner reaction
22. Sequestered antigens
23. Anti Streptolysin O test
24. Quellung's test
25. Metachromatic granules
26. Stalactite growth
27. Give four examples of Selective Media.
28. Mention two methods of Antibiotic Sensitivity Testing.

