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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - 16-Dec-2019

Time: Three Hours **Max. Marks: 100 Marks**

MICROBIOLOGY – PAPER I (RS2 & 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. Define Sterilization. Describe in detail Moist heat Sterilization. Add a note on sterilization control. (1+7+2)
2. Define Hypersensitivity. Classify Hypersensitivity reactions. Describe in detail about Anaphylaxis reaction. (1+2+7)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Write a note on Helicobacter pylori.
4. Describe the structure and functions of IgG antibody.
5. Write in detail about Active immunity.
6. Mechanisms of autoimmunity
7. Agglutination reactions
8. Pathogenicity of Neisseria gonorrhoeae
9. Laboratory diagnosis of Anthrax
10. Write a note on Clostridium botulinum.
11. Laboratory diagnosis of Enteric fever
12. Describe the epidemiology of Cholera.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Specific serological tests for Syphilis
14. Pathogenesis of non-suppurative post-Streptococcal sequelae
15. Write a note on Haemophilus ducreyi.
16. Enterotoxigenic Escherichia coli
17. Weil-Felix reaction
18. Selective media with examples
19. Plasmids
20. Bacterial Fermentation
21. Principle and uses of genetic engineering
22. Pathogenicity of Bordetella pertussis

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