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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DEC-2017

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

Microbiology – Paper I (RS2 & RS3 Scheme)

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 and Classify Culture Media with examples. (5+5)
2. Define Immunoglobulin. Describe structure and function of the five classes of Immunoglobulins. (2+4+4)

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Bacterial Capsule
4. Enumerate organisms commonly causing Hospital Acquired infections.
5. Mechanisms of Innate Immunity
6. Precipitation reactions.
7. Classify and enumerate Immunodeficiency diseases.
8. Enumerate Lesions produced by Neisseria Gonorrhoea.
9. Laboratory diagnosis of Gas gangrene
10. Classification of Chlamydia
11. Laboratory diagnosis of Enteric fever
12. Laboratory diagnosis of Pulmonary Tuberculosis

SHORT ANSWERS **10 x 3 = 30 Marks**

13. Non specific serological test for Syphilis
14. Laboratory diagnosis of Acute Rheumatic Fever
15. Halophilic Vibrios
16. Methods to prevent Swarming of Proteus Species
17. Bacterial Zoonoses
18. Elek's gel precipitation test
19. Hot Air Oven
20. Transposons (Jumping Genes)
21. Labelled diagram of Bacterial Growth Curve
22. Principle and uses of Polymerase Chain Reaction (PCR)

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