

# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS (Phase - II) Degree Examination - JUNE 2016

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 Disinfection and Sterilization. Enumerate commonly used Disinfectants in Health Care setup. Describe where and how are these used. (1+1+2+6)
2. Define and Classify Hypersensitivity reactions. Discuss Type IV Hypersensitivity. (2+4+4)

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

3. Bacterial Spore
4. Contributions of Louis Pasteur
5. Describe methods of transfer of Genetic Material in Bacteria.
6. Passive Immunity
7. Structure and function of Immunoglobulin A (Ig A)
8. Lesions produced by Staphylococcus aureus
9. Weil – Felix test
10. Types of Escherichia Coli producing Diarrhoea – Diarrhogenic E.coli
11. Toxigenicity tests for Corynebacterium diphtheriae
12. Laboratory diagnosis of Leptospirosis

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

13. Principle and uses of Dark Ground Microscopy
14. Blood Agar
15. Methods of transport of Specimen for laboratory diagnosis of Cholera
16. Tuberculin test
17. Describe laboratory diagnosis of Bacillary Dysentery.
18. Enumerate organisms causing Acute Pyogenic Meningitis.
19. Helicobacter pylori
20. Biomedical waste management
21. Enumerate mechanisms of Autoimmunity.
22. Diphtheria, Pertussis and Tetanus toxoid (DPT) vaccine

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