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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, Pertussin and Tetanus toxoid (DPT) vaccine

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LONG ESSAYS

2 x 10 = 20 Marks

1. Describe morphology, life cycle, pathogenicity, and laboratory diagnosis of Plasmodium Falciparum. (2+2+3+3)
2. Classify Human Herpes Viruses. Describe morphology, pathogenicity and laboratory diagnosis of Herpes Simplex Virus. (3+2+3+2)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Opportunistic Fungal infections
4. Sporothrix Schenkii
5. Candidiasis
6. Viral Replication
7. Antigenic shift and antigenic drift
8. Oncogenic Viruses
9. Polio Vaccines
10. Strongyloides stercoralis
11. Microfilaria
12. Hymenolepis nana

SHORT ANSWERS

10 x 3 = 30 Marks

13. Trichomonas Vaginalis
14. Enumerate Parasites causing Diarrhoea.
15. Liver Fluke
16. Tropical Pulmonary Eosinophilia
17. Cysticercosis
18. Biological vector
19. Adenovirus
20. Varicella – Zoster virus
21. Monitoring progression of HIV infection
22. Lacto Phenol Cotton Blue (LPCB) stain
