

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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MICROBIOLOGY -Paper -II

(RS2 & RS3 SCHEME)

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LONG ESSAYS

2 x 10 = 20 Marks

1. Describe the morphology, pathogenesis and laboratory diagnosis of HIV. (2+4+4 = 10 marks)
2. Enumerate Hemoparasites. Describe the life cycle and laboratory diagnosis of Plasmodium vivax. (2+4+4 = 10 marks)

SHORT ESSAYS

10 x 5 = 50 Marks

3. Aspergillosis
4. Hydatid cyst
5. Laboratory diagnosis of Hepatitis B infection
6. Viral Inclusion Bodies
7. Free Living Amoebae
8. Cryptococcosis
9. Delhi Boil
10. Laboratory diagnosis of Rabies
11. Life cycle of Trichuris trichiura
12. Otomycosis

SHORT ANSWERS

10 x 3 = 30 Marks

13. Balantidium coli
14. Sabouraud's Dextrose Agar (SDA)
15. Clinical manifestations of Rhinosporidiosis
16. Serological tests for Kala-Azar
17. Casoni's test
18. Chyluria
19. Enumerate three Oncogenic viruses.
20. Lassa fever
21. Draw a neatly labelled diagram of a Bacteriophage.
22. Laboratory diagnosis of Dengue
