Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - 14-Jul-2020

[Time: 3 Hours] [Max. Marks: 100]

MICROBIOLOGY
PAPER – I (RS-2/RS-3)
Q.P. CODE: 7355

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions 10 X 10 = 100 Marks

1. Classify infections. Discuss the bacterial virulence factors.
2. Discuss aerobic culture methods for bacteria. Add a note on maintenance of stock cultures.
3. Gaseous sterilizing agents.
4. B – cells.
5. Biological effects and disorders of complement.
6. Fluorescent microscopy.
7. Hemolytic disease of newborn.
8. Acquired immunity.
9. Enzyme Linked Immunosorbent Assay. (ELISA).
10. MALDI – TOF.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - 16-Jul-2020

[Time: 3 Hours] [Max. Marks: 100]

MICROBIOLOGY
PAPER – II (RS-2/RS-3)
Q.P. CODE: 7356

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions 10 X 10 = 100 Marks

1. Discuss the etiology, pathogenesis and laboratory diagnosis of bacterial meningitis.
2. Classify Chlamydia. Discuss the morphology, antigenic features and laboratory diagnosis of TRIC infections.
3. Glanders.
4. Legionella pneumophila.
5. Enzymes and toxins in Staphylococcus aureus.
6. Diarrhoeagenic E. coli.
7. Mycobacterium leprae.
8. Bacterial vaginosis.
9. Laboratory diagnosis of Syphilis.
10. Recent advances in diagnosis of Tuberculosis.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – 18-Jul-2020

[Time: 3 Hours] [Max. Marks: 100]

MICROBIOLOGY
PAPER – III (RS-2/RS-3)
Q.P. CODE: 7357

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions 10 X 10 = 100 Marks

1. Discuss the emerging and re-emerging viral infections.
2. Define mycetism and mycotoxicosis. Add a note on mycotoxins.
3. Describe in detail about the Prion mediated diseases in humans. Add a note on the sterilization methods for Prions.
4. Give an account of anti-viral agnets. Add a note on antiretroviral agents.
5. Classify Hepatitis Viruses. Describe in detail about Hepatitis C virus with a note on diagnostic methods and prevention of Hepatitis C infection.
6. Discuss the relevance of newer species of Candida in fungal infections.
7. Automation in clinical virology and its applications.
8. Enlist fungi causing mycetoma. Describe the pathogenesis and laboratory diagnosis of mycetoma.
9. Describe the pathogenesis and laboratory diagnosis of pheohyphomycoses.
10. Write about the National Vector-borne Disease Control Programme.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination –20-Jul-2020

ime: Three Hours | Max. Marks: 100 Marks

MICROBIOLOGY - PAPER – IV
(RS-2/RS-3)
Systematic Bacteriology Parasitology
Q.P. CODE: 7358

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

nswer All The Questions | 10 x 10 = 100 Marks

1. Enumerate vector borne parasitic diseases of man. Describe laboratory diagnosis of Plasmodium falciparum infection.
2. Classify Cestodes. Describe life cycle of Taenia solium with its complications.
3. Describe the laboratory diagnosis of Filariasis.
4. Describe primary amoebic meningoencephalitis.
5. Describe laboratory diagnosis of visceral leishmaniasis.
6. Classify Trematodes. Discuss the laboratory diagnosis of Schistosoma haematobium infection.
7. Describe the parasites causing diarrhea in AIDS patients.
8. Enumerate parasites found in peripheral smear. Discuss laboratory diagnosis of Toxoplasmosis.
9. Discuss the laboratory diagnosis of Hydatid cyst disease.
10. Discuss the laboratory diagnosis of intestinal Amoebiasis.

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