Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 07-May-2022

[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. Enumerate the newer methods of Chemical sterilization. Describe the principle and quality control of each.
2. Write an essay on classification and differentiation of Lymphocytes and their functions.
3. Antibiotic policy in a tertiary care hospital.
4. Transmission based precautions.
5. Principle and application of Microarrays in Microbiology laboratory.
6. Live attenuated vaccines.
7. Type I Hypersensitivity reactions.
8. Ribo typing.
9. New Delhi Beta lactamases.
10. Graft rejection.

M.D. Degree Examination - 09-May-2022

[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. Classify staphylococci. Describe in detail pathogenesis and laboratory diagnosis of infections due to Coagulase negative Staphylococci.
2. Enumerate the agents causing emerging bacterial infections. Describe the laboratory diagnosis of any one of the agents.
3. Listeria monocytogenes.
4. Atypical mycobacteria.
5. Bioterrorism.
6. Clostridium difficile.
7. Lyme disease.
8. Pathogenesis of Shigella dysentery.
9. Vincent’s angina.
10. Non-gonococcal uretheritis.

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 11-May-2022

[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. Enumerate Orthomyxoviruses. Describe the pathogenesis and laboratory diagnosis of H1N1 infections.
2. What are Dermatophytes? Discuss the pathogenesis and laboratory diagnosis of infections due to these fungi.
3. Antifungal susceptibility tests.
4. Clinical trials of HIV vaccines.
5. Histoplasma capsulatum.
6. Mycotoxins.
7. Pathogenesis and laboratory diagnosis of poliomyelitis.
8. Interferons.
9. Use of primary cell culture for cultivation of viruses.
10. MMR Vaccine.

* * * * *

M.D. Degree Examination – 13-May-2022

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

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.

Answer All The Questions 10 X 10 = 100 Marks

1. Enumerate the parasites affecting the liver. Explain in detail about the life cycle and laboratory diagnosis of any primary hepatotropic parasite in detail.
2. Enumerate Parasitic infections of central nervous system and discuss laboratory diagnosis and control measures for the same.
3. Write an account on the parasitic disease affecting the genito - urinary system.
4. Write on the importance of arthropods as biological vectors of disease.
5. Life cycle of enterobius vermicularis and its laboratory diagnosis.
6. Describe the pathogenesis of malaria. What are the main problems associated with strategies currently available for the control of this infection?
7. Opportunistic parasitic infections in immunocompromised individuals.
8. Echinococcus multilocularis.
9. Primary Amoebic Meningoencephalitis.
10. Paragonimus westermanii.

* * * * *