Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – APRIL/MAY 2015

Time: Three Hours **Max. Marks: 100 Marks**

MD MICROBIOLOGY
GENERAL MICROBIOLOGY AND IMMUNOLOGY
PAPER- I
(Revised Scheme)
Q. P. CODE: 7355

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the production, structure and functions of immunoglobulins.
2. Classify disinfectants. Discuss the mechanisms of action, uses and testing of disinfectants.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Discuss polymerase chain reaction and its applications
4. Bacterial spore
5. E Test
6. Discuss the staining technics and its application in Microbiology
7. HLA in health and diaease
8. Anaphylaxis

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY 2015

Time: Three Hours **Max. Marks: 100 Marks**

MD MICROBIOLOGY
SYSTEMATIC BACTERIOLOGY
PAPER- II
(Revised Scheme)
Q. P. CODE: 7356

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Describe the pathogenesis and laboratory diagnosis of chlamydial infections.
2. Discuss the pathogenesis and laboratory diagnosis of infections caused by *Streptococcus pyogenes*.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Prophylaxis of tetanus
4. Bacillus cereus
5. Q fever
6. Campylobacter jejuni
7. Laboratory diagnosis of diphtheria
8. Mycobacterium avium intracellulare

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – MAY 2015

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

MICROBIOLOGY

MYCOLOGY AND VIROLOGY

PAPER – III (RS)

Q.P. CODE: 7357

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Classify herpes group of viruses, highlighting their properties. Discuss pathogenesis and laboratory diagnosis of herpes simplex infections
2. Discuss etiology, pathogenesis and laboratory diagnosis of fungal infection of the lungs

SHORT ESSAY **6 X 10 = 60 Marks**

3. Antigenic variations in Influenza virus
4. Oncogenic viruses
5. Pulse polio programme
6. Baiting technique used for fungi
7. Dimorphic fungi
8. Opportunistic fungal infections

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY 2015

Time: Three Hours **Max. Marks: 100 Marks**

MD MICROBIOLOGY
SYSTEMATIC BACTERIOLOGY
PARASITOLOGY
PAPER- IV
(Revised Scheme)
Q. P. CODE: 7358

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss laboratory diagnosis of intestinal helminthic infections
2. Discuss the life cycle, pathogenesis and laboratory diagnosis of Plasmodium falciparum

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Free living amoebae
4. Toxoplasmosis
5. Trichinella spiralis
6. Hyemenolepis nana
7. Loa loa
8. Clonorchiasis

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – OCTOBER 2015

Time: Three Hours **Max. Marks: 100 Marks**

MD MICROBIOLOGY

GENERAL MICROBIOLOGY AND IMMUNOLOGY

PAPER- I

(Revised Scheme)

Q. P. CODE: 7355

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 20 = 40 Marks**

1. 1. Classify sterilization. Describe in detail the application of moist heat sterilization. Add a note on CSSD.

2. Define immune response. Describe the laboratory methods for detection of cellular immune function.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Type 111 hypersensitivity reaction

4. Monoclonal antibody

5. Bacterial spore

6. Bacterial exotoxin

7. Preservation of bacteria

8. Laboratory Waste management

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – OCTOBER 2015

Time: Three Hours **Max. Marks: 100 Marks**

MD MICROBIOLOGY
SYSTEMATIC BACTERIOLOGY
PARASITOLOGY
PAPER- IV
(Revised Scheme)
Q. P. CODE: 7358

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the life cycle , pathogenesis and laboratory diagnosis of Echinococcus pranulosum.
2. Discuss the cultivation of parasite.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Larva migrans
4. Taenia solium
5. Sparganosis
6. LD bodies
7. Giardiasis
8. Fasciola hepatica

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – OCTOBER 2015

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

MICROBIOLOGY

MYCOLOGY AND VIROLOGY

PAPER – III (RS)

Q.P. CODE: 7357

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Classify Hepatitis Viruses. Describe in detail the pathogenesis, laboratory diagnosis and prophylaxis of Hepatitis B Virus.
2. Enumerate the causative agents of systemic mycoses. Describe the pathogenesis and laboratory diagnosis of Histoplasmosis.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Sporotrichosis
4. Fungi imperfecti
5. HIV – 2
6. Continuous cell lines.
7. Laboratory diagnosis of Rabies.
8. Adempvoral infections.

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