Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

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 autoimmunity and Laboratory evaluation of autoimmune diseases .
2. Discuss various methods of Antimicrobial susceptibility testing. Add a note on quality control.

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

3. Heterophile agglutination test
4. Type IV Hypersensitivity
5. Cell wall deficient forms
6. Recombinant DNA Technology
7. HLA typing
8. Testing of disinfectants

*****

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

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, laboratory diagnosis and prophylaxis of cholera.

2. Describe the pathogenesis, laboratory diagnosis and prophylaxis of diphtheria.
Describe the pathogenesis, laboratory diagnosis and prophylaxis of diphtheria.

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

3. Antibiotic Associated Diarrhoea

4. Relapsing fever

5. Listeriosis

6. Acinetobacter baumannii – an emerging pathogen

7. Bacterial vaginosis

8. Laboratory diagnosis of Leptospirosis

*****

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

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

MD MICROBIOLOGY

SYSTEMATIC BACTERIOLOGY

MYCOLOGY AND VIROLOGY

PAPER- III

(Revised Scheme)

Q. P. CODE: 7357

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

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

1. Discuss paralytic poliomyelitis. Give a brief account of pulse polio program.
2. Discuss Fungal meningitis

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

3. Human papilloma virus and Cervical cancer
4. Histoplasmosis
5. Bacteriophage
6. Aspergillosis
7. Congenital rubella syndrome
8. Penicillium marneffii

*****

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

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. Classify protozoa. Discuss the parasites causing diarrhea in AIDS case.
2. Classify tissue nematodes. Discuss the life cycle, pathogenesis, laboratory diagnosis of Dracunculus medinensis. Add a note on eradication programme.

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

3. Larva migrans
4. Laboratory diagnosis of malaria
5. Dermal leishmanoid
6. Hydatid disease
7. Primary amoebic meningoencephalitis
8. Shcistosomes

*****

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - Oct/Nov 2014

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

MICROBIOLOGY

SYSTEMATIC BACTERIOLOGY

PAPER – II (RS)

Q.P. CODE : 7356

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 Mycobacteria. Discuss pathogenesis and laboratory diagnosis of pulmonary tuberculosis with especial references to molecular methods
2. Classify streptococci. Describe pathogenesis and laboratory diagnosis of group D Streptococci

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

3. Melioidosis
4. Laboratory diagnosis of brucellosis
5. Helicobacter pylori
6. Cerebrospinal fluid parmeters in pyogenic meningitis
7. Diagnosis of congenital syphilis
8. El tor vibrios

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

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

MD MICROBIOLOGY

SYSTEMATIC BACTERIOLOGY

MYCOLOGY AND VIROLOGY

PAPER- III

(Revised Scheme)

Q. P. CODE: 7357

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

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

1. Give an account of arboviral diseases in India and control measures
2. Discuss the laboratory diagnosis of fungal infections

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

3. Prions
4. Parvovirus B19
5. Oncogenic viruses
6. Cryptococcosis
7. Superficial fungal infections
8. Eumycotic mycetoma

*****

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

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. Classify the nematodes. Discuss pathogenesis and laboratory diagnosis of hookworm disease.
2. Enumerate hemoparasites. Describe the pathogenesis and laboratory diagnosis of Kala azar.

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

3. Discuss the parasitic causes of diarrhea in immunocompromised individual
4. Describe pathogenesis and laboratory diagnosis of lymphatic filariasis
5. Cysticercus cellulosae
6. Laboratory diagnosis of congenital toxoplasmosis
7. Paragonimus westermanii
8. Recrudescent malaria

*****

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

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 role of cytokines in Health and Disease
2. Discuss the mechanisms of gene transfer in bacteria. Add a note of drug resistance

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

3. Bacterial cell wall
4. Complement activation
5. Role of adjuvants in vaccine
6. Dark ground microscope
7. Forbidden clones
8. Passive Immunity

*****