Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2013

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 rationale and the process of accreditation of clinical Microbiology laboratory in India.

2. Describe hypersensitivity reactions and discuss in detail Type 1 Hypersensitivity reaction

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

3. Bacterial virulence factors

4. Immunofluorescence

5. Microbiological examination of water

6. Major Histocompatability Complex

7. Superantigens

8. Transposons

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Post Graduate Degree Examination – May 2013

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 actinomycosis. Add a note on the differences between actinomyces and nocardia.

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

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

3. Testing of Drug Sensitivity for Mycobacterium tuberculosis

4. Toxic shock syndrome

5. **Nongonococcal urethritis**

6. Nontyphoidal Salmonellosis

7. Campylobacter

8. **Burkholderia cepacia complex**

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2013

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. Classify herpes viruses and describe their general properties. Discuss in detail the pathogenesis, laboratory diagnosis and prophylaxis of infections caused by Varicella -Zoster virus.
2. Discuss the Yeasts of medical importance

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

3. Postexposure prophylaxis of HIV
4. Aseptic meningitis
5. Teratogenic viruses
6. Aspergillosis
7. Chromoblastomycoses
8. Mucormycoses

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2013

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

MICROBIOLOGY

PARASITOLOGY - PAPER – IV

Q.P. CODE : 7358

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. Describe the life cycle, pathogenesis and laboratory diagnosis of Taenia solium
2. Discuss the life cycle pathogenesis and recent advances in the laboratory diagnosis and preventive measures of Wuchereria bancrofti

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

3. Concentration methods of stool
4. Cyclops
5. Laboratory diagnosis of kala azar
6. Pathogenesis of Giardia lamblia
7. Visceral larva migrans
8. Ancylostoma duodenale

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