

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - MAY 2017

[Time: 3 Hours]

[Max. Marks: 100]

MICROBIOLOGY
GENERAL MICROBIOLOGY AND IMMUNOLOGY
PAPER – I (RS)
Q.P. CODE: 7355

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 antigen-antibody reactions. Discuss in detail about precipitation reactions. Add a note on Chemiluminescence assay.
2. Discuss the methods of gene transfer in bacteria. Add a note on genetic engineering.

SHORT ESSAY

6 X 10 = 60 Marks

3. Autoclave
4. T - cells
5. Anaphylaxis
6. Bacteriocins
7. Major histocompatibility complex
8. Innate immunity

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka
Post Graduate Degree Examination – MAY 2017

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. Discuss the aetiology and laboratory diagnosis of food poisoning. Add a note on modes of tracing the source of infection.
2. Enumerate the microbiological agents of bioterrorism. How should a microbiological laboratory be prepared to diagnose a case of anthrax

SHORT ESSAYS

6 x 10 = 60 Marks

3. Drug resistance in Pseudomonas
4. Ventilator Associated Pneumonia
5. Newer diagnostic methods for tuberculosis
6. Helicobacter pylori
7. Typhus fever
8. Toxins and enzymes produced by Streptococcus pyogenes

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - <<>>

[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. Describe viral multiplication with examples
2. Classify subcutaneous mycoses. Write in detail on mycotic mycetoma.

SHORT ESSAY

6 X 10 = 60 Marks

3. Cryptococcosis
4. Influenza / H1 N1 virus
5. Rhinosporidiosis
6. Prions
7. Enumerate haemorrhagic viral infections
8. Cytomegalovirus.

* * * * *

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – JUNE 2017

Time: 3 Hours]

[Max. Marks: 100]

MICROBIOLOGY

SYSTEMATIC BACTERIOLOGY 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. Discuss the life cycle, pathogenesis and laboratory diagnosis of *Wucheraria bancrofti*.
2. Discuss the life cycle, pathogenesis and laboratory diagnosis of *Leishmania donovani*.

SHORT ESSAY

6 X 10 = 60 Marks

3. Cryptosporidiosis
4. *Hymenolepis nana*
5. Complications of *falciparum* malaria
6. *Trichinella spiralis*
7. Toxoplasmosis
8. Cysticercosis

* * * * *