



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*



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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.

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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
