



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. Describe the epidemiological background of hand hygiene in a tertiary care hospital and evaluation of the most important agents for scrubs and rubs.
2. Describe the antigen antibody reactions. Discuss in detail ELISA test.

SHORT ESSAYS

6 x 10 = 60 Marks

3. Hybridoma technology
4. Flowcytometry
5. Phenotypic and genotypic methods of Drug resistance
6. Bacterial toxin
7. Filamentous appendages of bacteria
8. Cells of Immune system

Rajiv Gandhi University of Health Sciences 52
M.D. Degree Examination - JUNE 2016

[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. Describe the pathogenesis and laboratory diagnosis and the role of *Helicobacter pylori* in chronic active gastritis?
2. Classify Rickettsial infections. Discuss the pathogenesis and laboratory diagnosis of Typhus fever

SHORT ESSAY

6 X 10 = 60 Marks

3. Pneumonic plague
4. Laboratory diagnosis of syphilis
5. *Borrelia burgdorferi*
6. Lepromin test
7. Drug resistance testing of *Mycobacterium tuberculosis*
8. Toxins of *Clostridium tetani*

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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 the aetiology, pathogenesis and laboratory diagnosis of dermatomycosis
2. Discuss the various cell cultures and its use in diagnosis of viral infections

SHORT ESSAYS

6 x 10 = 60 Marks

3. Viral haemorrhagic fever
4. Candidiasis
5. Mycetoma
6. Epstein Barr virus
7. Classification of fungi
8. Live attenuated viral vaccine

Rajiv Gandhi University of Health Sciences, Karnataka
Post Graduate Degree Examination – JULY 2016

SA

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 parasites associated with ocular infections
2. Discuss pathogenesis and laboratory diagnosis of diarrhea caused by protozoa.

SHORT ESSAYS

6 x 10 = 60 Marks

3. Cryptosporidium parvum
4. Occult filariasis
5. Laboratory diagnosis for parasites found in blood
6. Enterobius vermicularis
7. Malaria vaccine
8. Faeces culture for nematode larvae
