

Rajiv Gandhi University of Health Sciences, Karnataka  
Post Graduate Degree Examination – APRIL/MAY 2015

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 production, structure and functions of immunoglobulins.
2. Classify disinfectants. Discuss the mechanisms of action, uses and testing of disinfectants.

**SHORT ESSAYS**

**6 x 10 = 60 Marks**

3. Discuss polymerase chain reaction and its applications
4. Bacterial spore
5. E Test
6. Discuss the staining technics and its application in Microbiology
7. HLA in health and diaease
8. Anaphylaxis

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# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY 2015

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 chlamydial infections.
2. Discuss the pathogenesis and laboratory diagnosis of infections caused by *Streptococcus pyogenes*.

**SHORT ESSAYS**

**6 x 10 = 60 Marks**

3. Prophylaxis of tetanus
4. *Bacillus cereus*
5. Q fever
6. *Campylobacter jejuni*
7. Laboratory diagnosis of diphtheria
8. *Mycobacterium avium intracellulare*

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – MAY 2015**

[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. Classify herpes group of viruses, highlighting their properties. Discuss pathogenesis and laboratory diagnosis of herpes simplex infections
2. Discuss etiology, pathogenesis and laboratory diagnosis of fungal infection of the lungs

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Antigenic variations in Influenza virus
4. Oncogenic viruses
5. Pulse polio programme
6. Baiting technique used for fungi
7. Dimorphic fungi
8. Opportunistic fungal infections

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Rajiv Gandhi University of Health Sciences, Karnataka  
Post Graduate Degree Examination – MAY 2015

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 laboratory diagnosis of intestinal helminthic infections
2. Discuss the life cycle, pathogenesis and laboratory diagnosis of *Plasmodium falciparum*

**SHORT ESSAYS**

**6 x 10 = 60 Marks**

3. Free living amoebae
4. Toxoplasmosis
5. *Trichinella spiralis*
6. *Hyemenolepis nana*
7. *Loa loa*
8. Clonorchiasis

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