

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – April / May - 2014

Time : 3 Hrs.

[Max. Marks : 100]

M.D MICROBIOLOGY

PAPER - I

Q.P Code : 2201

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Describe various techniques employed for antibiotic sensitivity testing.
Highlighting their merits and demerits.
2. Classify cytokines. Describe their role in infection and disease.

SHORT ESSAY

6 X 10 = 60 Marks

3. Quantitative culture in clinical microbiology.
4. Bacterial toxins.
5. Diagnostic methods of autoimmune disease.
6. Isotype switching.
7. Use of ethylene oxide for sterilization.
8. Investigation and control of an outbreak of Nosocomial infection.

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M.D MICROBIOLOGY

PAPER - II

Q.P Code : 2202

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Write in detail about the conventional and newer diagnostic for fungal infections.
2. Write in detail about the pathogenesis, lab.diagnosis of pulmonary tuberculosis. Add a note on RNTCP guidelines for management of open case of tuberculosis.

SHORT ESSAY

6 X 10 = 60 Marks

3. Merits and demerits of oral typhoid vaccines.
4. Classify dermatophytes with special reference to anthropophilic fungi.
5. Bacterial vaginosis and its management.
6. Rickettsial spotted fevers.
7. Occupational fungal infections.
8. Histoplasmosis and its lab.diagnosis.

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M.D MICROBIOLOGY

PAPER - III

Q.P Code : 2203

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Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Enumerate arbovirus infections occurring in india. Discuss the epidemiology, laboratory diagnosis and prophylaxis of Japanese encephalitis.
2. Discuss the pathogenesis and laboratory diagnosis of extra-intestinal amoebiasis. Add a note on isoenzyme studies in E-histolytica.

SHORT ESSAY

6 X 10 = 60 Marks

3. Delhi boil.
4. Toxoplasma gondii.
5. Cultivation of malarial parasites.
6. Cytomegalovirus.
7. Teratogenic viruses.
8. Oncogenic viruses.

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M.D MICROBIOLOGY

PAPER - IV

Q.P Code : 2204

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the importance of quality control in clinical microbiology laboratory.
2. Describe the pathogenesis and laboratory diagnosis of toxoplasmosis.

SHORT ESSAY

6 X 10 = 60 Marks

3. Recent advances in immunofluorescence techniques.
4. Malarial vaccines.
5. Biomedical waste management.
6. Rapid diagnostic methods in tuberculosis.
7. Diagnosis and maintaining of HIV infection.
8. Histoplasmosis.

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