

Q.P CODE : 2201

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – April / May 2011

Time : 3 Hrs.

[Max. Marks : 100]

M.D. MICROBIOLOGY

PAPER - I

*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 management of methicillin resistant staphylococcus aureus out break in a surgical critical care unit of a tertiary care hospital.
2. Discuss the merits and demerits of various tests used for the diagnosis of collagen vascular disorders.

SHORT ESSAY

6X 10 = 60 Marks

3. Uses of cytokines
4. Operation theatre sterilization methods
5. Diagnosis and management of type 1 hypersensitivity
6. Role of L-forms in urinary tract infection
7. Recent advances in monoclonal antibody production and their uses
8. Urinary antibiotics

* * *

Q.P CODE : 2202

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – April / May 2011

Time : 3 Hrs.

[Max. Marks : 100]

M.D. MICROBIOLOGY

PAPER - II

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary. Answer all questions*



LONG ESSAY

2 X 20 = 40 Marks

1. Urine culture and sensitivity techniques and interpretation of results.
2. Classify gram negative non fermenting bacilli and discuss their identification and antibiotic susceptibility testing. Describe their role in causing nosocomial infections.

SHORT ESSAY

6X 10 = 60 Marks

3. Ventilator associated pneumonia
4. Pseudomembranous colitis
5. Group D streptococci
6. Investigations for urethral discharge to confirm the etiology
7. Carbapenamase producers
8. Lab diagnosis of Leptospirosis

* * *

Q.P CODE : 2203

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – April / May 2011

Time : 3 Hrs.

[Max. Marks : 100]

M.D. MICROBIOLOGY

PAPER - III

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary. Answer all questions*



LONG ESSAY

2 X 20 = 40 Marks

1. Describe the pathogenesis, laboratory diagnosis and epidemiology of hepatitis viruses.
2. Describe subcutaneous mycosis. Discuss the aetiology clinical features and lab diagnosis of mycetoma.

SHORT ESSAY

6X 10 = 60 Marks

3. Candidiasis
4. Dengue fever
5. Dermatophytes
6. Rubella
7. Ocular mycosis
8. Cytomegalo virus

* * *

Q.P CODE : 2204

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – April / May 2011

Time : 3 Hrs.

[Max. Marks : 100]

M.D. MICROBIOLOGY

PAPER - IV

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary. Answer all questions*



LONG ESSAY

2 X 20 = 40 Marks

1. Classify nematodes. Describe the pathogenesis laboratory diagnosis and epidemiology of filariasis.
2. Describe the life cycle, pathogenesis and laboratory diagnosis of Toxoplasmosis.

SHORT ESSAY

6X 10 = 60 Marks

3. Hydatid cyst
4. Larvamigrans
5. Schistosomiasis
6. Cyclosporiasis
7. Serodiagnosis of Amoebiasis
8. Rat Lung Worm

* * *