

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – April/May - 2017

Time : 3 Hrs.

[Max. Marks : 100]

M.D. MICROBIOLOGY

PAPER - I

Q.P Code : RS 2201

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

LONG ESSAY

10 X 10 = 100 Marks

1. Recent trends in sterilization methods.
2. Describe the mechanism of drug resistance in bacteria and their detection in the laboratory.
3. Laboratory safety programme.
4. Autoclave and its applications.
5. Immunization schedule in India.
6. Disinfectants in hospital practice.
7. Chemiluminescence immunoassay.
8. Bacterial taxonomy.
9. Genetic engineering.
10. Biomedical waste management.

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M.D. MICROBIOLOGY

PAPER - II

Q.P Code : RS-2202

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Classify Vibrio. Write pathogenesis and laboratory diagnosis of cholera.
2. Name the bacterial agents causing PUO. Discuss the laboratory diagnosis of brucellosis.
3. MRSA surveillance in critical area and its control.
4. Write in detail specific test for syphilis.
5. Vaccine trials against leprosy.
6. Listeria monocytogenes.
7. Discuss bacteriophage typing methods in bacteriology.
8. Helicobacter pylori.
9. Give an account of pseudomembranous colitis and its laboratory diagnosis.
10. Chlamydial infections seen in humans.

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PAPER - III

Q.P Code : RS-2203

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LONG ESSAY

10 X 10 = 100 Marks

1. Give an account of SARS virus.
2. Discuss on Hepatitis C virus.
3. Give an account of tick borne viral infection seen in India.
4. Write on Ebola virus.
5. Write an essay on viral replication.
6. Noncandida albicans: Detection and clinical significance.
7. Various markers associated with progression of HIV infection.
8. Staining techniques used for Fungi.
9. Dimorphic fungi.
10. Write on Dermatophytes.

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PAPER - IV

Q.P Code : RS-2204

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 =100 Marks

1. List the cestodes. Discuss echinococcus granulosus.
2. Larva migrans.
3. Give an account of giardiasis.
4. Pathogenesis and labdiagnosis of enterobius vermicularis.
5. Classify Trematodes. Describe the life cycle and lab diagnosis of schistosoma hematobium.
6. Food borne parasitic diseases.
7. Blood concentration techniques.
8. Discuss recombinant antigens and their uses.
9. HIV control.
10. DNA sequencing and its application.

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