Q.P Code : 109 (A)

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)
M.B.B.S. PHASE - II Degree Examination – January-2011

Time : 3 Hrs. **[Max. Marks : 100]**

MICROBIOLOGY – PAPER I

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

LONG ESSAY — 2 X 10 = 20 Marks

1. Define hypersensitivity. Classify hypersensitivity reactions. Discuss type-I hypersensitivity?
2. Describe the pathogenesis, laboratory diagnosis and prophylaxis of cholera.

SHORT ESSAY — 10 X 5 = 50 Marks

3. Bacterial flagella
4. Antibiotic susceptibility testing
5. Monoclonal antibodies
6. Allograft
7. Wool sorter's disease
8. Helico bacter pylori
9. "Q" fever
10. Differences between streptococcus pneumonia and streptococcus viridans
11. "R" factor
12. Laboratory diagnosis of pulmonary tuberculosis

SHORT ANSWERS — 10 X 3 = 30 Marks

13. Koch's postulates
14. Phases of growth curve
15. Tyndallisation
16. Negative staining
17. Toxic shock syndrome
18. Sereny test
19. Haemophilus ducreyii
20. Null cells
21. Streptococcus MG agglutination test
22. Metachromatic granules

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MICROBIOLOGY – PAPER II

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

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate the arboviral infections in India. Describe the pathogenesis, laboratory diagnosis and epidemiology of Japanese B Encephalitis.
2. List the tissue nematodes. Describe life cycle, pathogenesis and laboratory diagnosis of Wuchereria bancrofti

SHORT ESSAY

10 X 5 = 50 Marks

3. Laboratory diagnosis of AIDS
4. Paramyxoviruses
5. Aspergillosis
6. Life cycle of Plasmodium vivax
7. Lung fluke
8. Bacteriophage
9. Antigenic variations in Influenza virus
10. Trichomonas vaginalis
11. Teratogenic virus
12. Larva migrans

SHORT ANSWERS

10 X 3 = 30 Marks

13. Eggs of Schistosomes
14. Rhinosporidiosis
15. Casoni's test
16. Interferons
17. Measles infection
18. Morphology of Hepatitis B virus
19. List of Zoonotic Parasitic diseases
20. L.D. bodies
21. Diseases caused by Herpes simplex virus
22. List of oncogenic viruses

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MICROBIOLOGY – PAPER I

Q.P Code : 109 SDUU

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

LONG ESSAY

2 X 10 = 20 Marks

1. Describe the epidemiology, clinical manifestations and laboratory diagnosis of cholera.
2. Define and classify hyper sensitivity reactions. Describe anaphylaxis

SHORT ESSAY

10 X 5 = 50 Marks

3. Enzyme linked immunosorbent assay (ELISA)
4. Lab diagnosis of syphilis
5. Transduction
6. Botulism
7. Acquired immunity
8. "Q" fever
9. Hot air oven
10. Virulence factors of staphylococcus aureus
11. Monoclonal antibodies
12. Bacterial flagella

SHORT ANSWERS

10 X 3 = 30 Marks

13. BCG vaccine
14. Morphology of corynebacterium diptheriae
15. Allograft rejection
16. Malignant pustule
17. Testing of Dis-infectants
18. Animal models in leprosy
19. Fluorescent microscope
20. Milk ring test
21. Non sporing anaerobes
22. Alternative pathway of complement activation

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MICROBIOLOGY – PAPER II

Q.P Code : 110-SDUU

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

LONG ESSAY

2 X 10 = 20 Marks

1. Classify picorna viruses with examples. Describe pathogenesis, Lab diagnosis and immunoprophylaxis of polio.
2. Mention the malarial parasites pathogenic to man. Describe the morphology, life cycle and lab diagnosis of plasmodium falciparum.

SHORT ESSAY

10 X 5 = 50 Marks

3. Laboratory tests for HIV infection.
4. Toxoplasma gondii
5. Serological markers of hepatitis – B virus infections
6. Biological Waste management
7. Free living amoebae
8. Respiratory syncytial virus
9. Hydatid cyst
10. Dimorphic fungi
11. Cultivation of viruses
12. Lab diagnosis of schisto somiasis

SHORT ANSWERS

10 X 3 = 30 Marks

13. Cytopathic effects of virusus
14. Zoonotic infections
15. Oncogenic viruses
16. New diagnostic techniques in clinical microbiology
17. Severe acute respiratory syndrome(SARS)
18. Occult filariasis
19. Otomycosis
20. Life cycle of trichenella spiralis
21. Lab diagnosis of extra intestinal amoebiasis
22. Morphology of haemoflegellates

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