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

M.B.B.S. PHASE - II Degree Examination - July - 2011

Time: 3 Hrs.

[Max. Marks : 100]

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

 $2 \times 10 = 20 \text{ Marks}$

- 1. Classify hypersensitivity reactions. Write briefly on anaphylaxis.
- 2. Describe the morphology, cultural characteristics and pathogenesis of vibrio cholerae. Discuss the lab diagnosis of cholera.

SHORT ESSAY

- 3. Methods of gene transfer in bacteria
- 4. Moist heat sterilization
- 5. Bacterial growth curve
- 6. Immunoglobulin G
- 7. Active immunity
- 8. Immunofluorescence
- 9. T Cells
- 10. Anthrax
- 11. Bacterial meningitis
- 12. Prophylaxis of tetanus

SHORT ANSWERS

- 13. Types of microscopes
- 14. Three methods to demonstrate bacterial capsule
- 15. Name exo-toxin producing bacteria (any six)
- 16. What are the species of shigella
- 17. What are the diseases caused by Chlamydia (any three)
- 18. Mention the clinical types of leprosy
- 19. What is Vincent's angina
- 20. Name three primary immunodeficiency diseases
- 21. Botulism
- 22. Name the rickettsial diseases

 $10 \times 5 = 50 \text{ Marks}$



 $10 \times 3 = 30 \text{ Marks}$



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SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

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M.B.B.S. PHASE - II Degree Examination – July - 2011

Time: 3 Hrs.

[Max. Marks : 100]

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

 $2 \times 10 = 20 \text{ Marks}$

- 1. Classify Arboviruses. Describe the pathogenesis and lab diagnosis of Dengue
- 2. Describe the morphology, pathogenesis and lab diagnosis of Bancroftian Filariasis

SHORT ESSAY

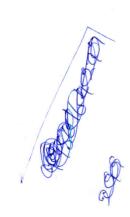
10 X 5 = 50 Marks

- 3. Coxsackie viruses
- 4. Lab diagnosis of viral diseases
- 5. Cytomegalo virus
- 6. Diarrheagenic viruses
- 7. Lab diagnosis of Kala azar
- 8. Stool concentration techniques
- 9. Ascaris lumbricoides
- 10. Enterobius vermicularis
- 11. Cryptococcus neoformans
- 12. Lab diagnosis of pyrexia of unknown origin (PUO)

SHORT ANSWERS

10 X 3 = 30 Marks

- 13. Morphology of HIV
- 14. Swine flu
- 15. Non neural vaccines for Rabies
- 16. Differences between Hepatitis A and B infections
- 17. Giardia
- 18. General characters of Cestodes
- 19. Egg counting techniques
- 20. Dimorphic fungi
- 21. Bacterial endocarditis
- 22. Food poisoning



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MICROBIOLOGY - PAPER I

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LONG ESSAY

 $2 \times 10 = 20 \text{ Marks}$

- 1. Discuss the etiology, pathogenesis and laboratory diagnosis of enteric fever.
- 2. Define and classify immunity. Discuss the role of innate immunity in health and disease.

SHORT ESSAY

- 3. Bacterial flagella
- 4. Laboratory diagnosis of pulmonary tuberculosis
- 5. Transduction
- 6. Dry heat sterilization
- 7. Antigen presenting cell
- 8. Graft versus host reaction
- 9. Non suppurative post streptococcal sequelae
- 10. Animal models for lepra bacilli
- 11. MRSA
- 12. Weils disease

SHORT ANSWERS

- 13. Acute pyogenic meningitis
- 14. N K cells
- 15. Bacterial spore
- 16. Anti idiotypic antibodies
- 17. Sequestrated antigens
- 18. Immunosuppression
- 19. Serological tests for brucellosis
- 20. Biological false positives
- 21. X and V factor
- 22. Normal flora

10 X 5 = 50 Marks



 $10 \times 3 = 30 \text{ Marks}$

Q.P Code: 110

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

M.B.B.S. PHASE - II Degree Examination - July - 2011

Time: 3 Hrs.

[Max. Marks: 100]

MICROBIOLOGY - PAPER II

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

LONG ESSAY

 $2 \times 10 = 20 \text{ Marks}$

- 1. Classify Entroviruses. Describe pathogenesis, Lab diagnosis and prophylaxis of polio myelitis.
- 2. Describe pathogenesis and lab diagnosis of Ascariasis

SHORT ESSAY

 $10 \times 5 = 50 \text{ Marks}$

- 3. Prophylaxis of rabies
- 4. Extra intestinal amoebiasis
- 5. Cardida albicans
- 6. Rhinosporidiosis
- 7. Chikungunya virus
- 8. Rubella
- 9. Genital flagellates
- 10. Microfilaria
- 11. Katayama fever
- 12. Creeping eruption



 $10 \times 3 = 30 \text{ Marks}$

SHORT ANSWERS

- 13. Name the malarial parasites causing human malaria
- 14. Draw a labeled diagram of egg of E.vermicularis
- 15. Draw a labeled diagram of Rotavirus
- 16. Thick blood smear
- 17. Floatation method of stool concentration technique
- 18. Name the sources of 3 interferons
- 19. List three viral inclusion bodies and viral disease they are associated with.
- 20. NIH swab
- 21. Draw a labeled diagram of Hydatid cyst
- 22. Nosocomial infection- Definition and examples