10

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 X 10 = 20 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 — 10 X 5 = 50 Marks

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 — 10 X 3 = 30 Marks

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

* * *

09

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

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 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

* * *

08

Q.P Code : 109

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

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

LONG ESSAY — 2 X 10 = 20 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 — 10 X 5 = 50 Marks

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 — 10 X 3 = 30 Marks

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

* * *

07

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 X 10 = 20 Marks

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

SHORT ESSAY — 10 X 5 = 50 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

SHORT ANSWERS — 10 X 3 = 30 Marks

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

* * *