

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-2015

Time : 3 Hrs.

[Max. Marks : 100]

MICROBIOLOGY– PAPER I

Q.P Code : SDUU-109

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify syphilis. Describe the pathogenesis and laboratory diagnosis of syphilis.
2. Define and classify hypersensitivity. Describe type-I hypersensitivity reaction.

SHORT ESSAY

10 X 5 = 50 Marks

3. Lymphogranuloma venereum.
4. Q fever.
5. Lepromin test.
6. Laboratory diagnosis of plague.
7. Coagulase test.
8. Graft versus host reaction.
9. Radio immunoassay.
10. Ig M.
11. Tests for chemical disinfectants.
12. Bacterial flagella.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Nonspecific innate immunity.
14. Candle filters.
15. Latex agglutination.
16. Camp test.
17. Satellitism.
18. Transport media.
19. Name four pigment producing bacteria.
20. Stoke's method.
21. Examples of passive immunity.
22. Halophilic vibrios.

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MICROBIOLOGY– PAPER II

Q.P Code : SDUU-110

Your answers should be specific to the questions asked.

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify herpesviruses. Discuss the pathogenesis, clinical features and laboratory diagnosis of varicella zoster infection.
2. List the plasmodia causing human malaria. Discuss the life cycle and laboratory diagnosis of falciparum malaria.

SHORT ESSAY

10 X 5 = 50 Marks

3. Food poisoning.
4. Zoonotic diseases.
5. Dermatophytes - Definition, classification, laboratory diagnosis.
6. Infections caused by candida.
7. Toxoplasmosis.
8. Hydatid disease.
9. Primary amoebic meningoencephalitis.
10. H1N1 influenza.
11. Kalaazar.
12. Prophylaxis of poliomyelitis.

SHORT ANSWERS

10 X 3 = 30 Marks

13. List the blood flukes.
14. Diagram of human immunodeficiency virus.
15. Name the parasites causing anemia.
16. What is antigenic shift?
17. What are the manifestations of extra intestinal amoebiasis.
18. Name three oncogenic viruses.
19. Viral inclusion bodies.
20. Name the viruses causing exanthema.
21. Slow viral infections.
22. Rabies vaccines.

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MICROBIOLOGY– PAPER I

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify mycobacteria. Write about the aetiology, pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
2. Define and classify hypersensitivity. Write in detail about type-I hypersensitivity reactions.

SHORT ESSAY

10 X 5 = 50 Marks

3. Structure of bacterial cell wall and its importance.
4. Transduction, types and its significance.
5. Sterilization methods by dry heat and uses of hot air oven.
6. Exotoxins of bacteria.
7. Structure, properties and functions of immunoglobulin A.
8. Delayed hypersensitivity.
9. Histocompatibility antigens.
10. Humoral immune deficiencies.
11. Halophilic vibrios.
12. Demonstration of treponema pallidum.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Cutaneous anthrax.
14. Elek's test.
15. Classification of clostridia.
16. Non suppurative sequelae of streptococcus pyogenes infection.
17. Satellitism.
18. Bubonic plague.
19. Lepromin test.
20. Clinical types of actinomycosis.
21. Lymphogranuloma venereum.
22. Q(Query) fever.

Q.P Code : 110

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MICROBIOLOGY– PAPER II

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

LONG ESSAY

2 X 10 = 20 Marks

1. Classify herpes viruses. Write about the aetiological agent, clinical manifestations and laboratory diagnosis of chicken pox?
2. Enumerate the parasites causing malaria. Write about the life cycle, pathogenesis and laboratory diagnosis of plasmodium falciparum, infection.

SHORT ESSAY

10 X 5 = 50 Marks

3. Mycotic mycetoma.
4. Candidiasis.
5. Prophylactic measures against rabies.
6. Lab diagnosis of dengue fever.
7. Pathogenesis of poliomyelitis.
8. Antigenic variations in influenza virus.
9. Laboratory diagnosis of rota virus infection.
10. Vaccines against hepatitis B Virus.
11. Opportunistic infections in HIV positive patient.
12. Causes of pyrexia of unknown origin.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Morphological forms of toxoplasma gondii.
14. Morphology of naegleria fowleri.
15. Pathogenesis of giardia lamblia.
16. Amastigote form of leishmania donovani.
17. Cysticercus cellulosae.
18. Larval form of trichinella spiralis.
19. Filariform larvae of ancylostoma duodenale.
20. National institute of health swab (NIH).
21. Unfertilised ovum of ascaris lumbricoides.
22. Sheathed microfilariae.