

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2013

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. Define sterilization. Classify sterilization methods. Write in detail about chemical methods of sterilization.
2. Enumerate the medically important clostridia. Write in detail about the pathogenesis, laboratory diagnosis and prophylaxis of gas gangrene.

SHORT ESSAY

10 X 5 = 50 Marks

3. ELISA
4. Prophylaxis of diphtheria.
5. Group D streptococci.
6. Mechanisms of autoimmunity.
7. Anaphylaxis.
8. Lepa reactions.
9. WIDAL TEST
10. Primary atypical pneumonia
11. Q-fever.
12. Innate immunity.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Germ theory.
14. Give three examples of Pandemic diseases
15. Quellung reaction.
16. Morphology of clostridium tetani with diagram.
17. Gram positive cell wall.
18. Plasmid.
19. Buruli ulcer.
20. Typhoid vaccines.
21. Transport media with examples(any three)
22. Anamnestic reaction.

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MICROBIOLOGY– PAPER II

Q.P Code : SDUU-110

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate the Arboviruses causing haemorrhagic fevers. Write in detail about the pathogenesis, laboratory diagnosis, epidemiology and prophylaxis of dengue.
2. Mention tissue and blood flagellates. Write in detail about life cycle, clinical features and laboratory diagnosis of Leishmania, Donovan.

SHORT ESSAY

10 X 5 = 50 Marks

3. Histoplasmosis.
4. Tinea versicolor.
5. Free living amoebae.
6. HCV.
7. Slow viral diseases.
8. RNTCP.
9. Giardiasis.
10. Stool concentration techniques.
11. Laboratory diagnosis of Malaria.
12. Prophylaxis against Rabies.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Penicillium marneffe.
14. Etiological agents of viral diarrhea.
15. P₂₄ antigen.
16. Cyst of Entamoeba, histolytica.
17. Occult filariasis.
18. Kyasanur forest disease.
19. Morphology of H₁N₁ virus.
20. SSPE.
21. Germ tube test.
22. Cutaneous larva migrans.

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LONG ESSAY

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1. Define and classify immunity. Write in detail about acquired immunity and its applications in human health care.
2. Write in detail about the etiology, pathogenesis, serodiagnosis of syphilis along with its complications.

SHORT ESSAY

10 X 5 = 50 Marks

3. Bacterial cell wall.
4. Transduction.
5. Laboratory diagnosis of gas gangrene.
6. Monoclonal antibodies.
7. Type IV hypersensitivity.
8. BCG vaccine.
9. Bacillary dysentery
10. Cholera.
11. Legionnaire's disease
12. Plague

SHORT ANSWERS

10 X 3 = 30 Marks

13. Joseph lister
14. Indole test
15. Gas pak
16. Jumping genes
17. Allograft
18. D₁ George syndrome
19. Sulphur granules.
20. Satellitism
21. Milk ring test
22. Swimming pool conjunctivitis.

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MICROBIOLOGY– PAPER II

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LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate material parasitosis. Discuss the pathogenesis, laboratory diagnosis and complications of falciparum malaria.
2. Classify hepatitis viruses. Discuss the pathogenesis, laboratory diagnosis and prophylaxis of hepatitis B.

SHORT ESSAY

10 X 5 = 50 Marks

3. Larva migrans
4. Hydatid cyst.
5. Cryptosporidium parvum.
6. Viral inclusion bodies.
7. Polio vaccines.
8. Viral gastroenteritis.
9. Histoplasma capsulatum.
10. Mumps.
11. Pathogenic free living amoeba.
12. Dermatophytes..

SHORT ANSWERS

10 X 3 = 30 Marks

13. Chagas disease
14. Occult filariasis.
15. Continuous cell lines.
16. Stages in replication of viruses.
17. Rhino sporidiosis.
18. Dengue haemorrhagic fever.
19. Tzanck smear
20. Germ tube test
21. NIH swab.
22. Name three each enveloped RNA and DNA viruses