

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July -2010

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. Describe the morphology of a typical bacterial cell and the function of each structure.
2. Explain the pathogenesis, laboratory diagnosis and prophylaxis of tuberculosis.

SHORT ESSAY

10 X 5 = 50 Marks

3. Bacterial growth curve
4. Antibiotic sensitivity tests
5. Immunoglobulin G
6. Anaphylaxis
7. Enzyme linked immunosorbent assays
8. Gonorrhoea
9. Laboratory diagnosis of cholera
10. Gas gangrene
11. Weil's disease
12. Q fever

SHORT ANSWERS

10 X 3 = 30 Marks

13. Heterophile agglutination test
14. Immunisation schedule
15. The allograft rejection
16. T Lymphocytes
17. Innate immunity
18. Coagulase test
19. Malignant pustule
20. Morphology and cultural characters of *Helicobacter pylori*
21. Satellitism
22. Carrier of salmonellae

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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. Name the Hepatotropic viruses. Write in detail about the epidemiology, pathogenesis, laboratory diagnosis and prophylaxis of hepatitis B virus infection.
2. Describe the life cycle, pathogenesis and laboratory diagnosis of falciparum malaria

SHORT ESSAY

10 X 5 = 50 Marks

3. Viral haemagglutination
4. Cytomegalo virus
5. Anti rabies vaccine
6. Mycotic mycetoma
7. Cysticercosis
8. Oncogenic viruses
9. Cryptosporidiosis
10. Swine flu
11. Primary amoebic meningo encephalitis
12. Universal precautions

SHORT ANSWERS

10 X 3 = 30 Marks

13. Prion
14. Fungal stains
15. Germ tube test
16. Buffy coat
17. CD₄ count
18. Hetrazan provocative test
19. Cyclops
20. Define : relapse and recrudescence
21. Bacteriocins
22. List the mosquito borne viral diseases