

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2017

Time : 3 Hrs.

[Max. Marks : 100]

MICROBIOLOGY– PAPER I

Q.P Code : RS-109

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Define and classify sterilization. Write about sterilization by moist heat.
2. Define immunity. Describe acquired immunity in detail.
3. Classify mycobacteria. Write pathogenesis and lab diagnosis of M.Tuberculosis. Add a note on prophylaxis.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Transfer factor.
5. Anaerobic culture methods.
6. Transferable drug resistance.
7. Malignant pustule.
8. Western blot test.
9. Genetic methods of drug resistance.
10. Lab diagnosis of leptospirosis.
11. Agglutination tests.
12. Cell mediated immunity.
13. Classical complement pathway.
14. H.pylori.
15. Elisa.

SHORT ANSWERS (No Choices)

10 X 3 = 30 Marks

16. Plasmids.
17. Name two bacteria producing exotoxins.
18. Name four zoonotic infections.
19. Enrichment media.
20. Non gonococcal urethritis.
21. Name two indicators used for quality control autoclave.
22. IMVic reaction.
23. Satellitism.
24. Write labelled diagram of bacterial spore.
25. Tab vaccine.

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MICROBIOLOGY– PAPER II

Q.P Code : RS-110

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Draw neat labeled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Classify microfilaria. Describe the life cycle and laboratory diagnosis of wuchereria bancrofti.
2. Enumerate the organisms causing urinary tract infections. Discuss pathology and laboratory diagnosis of UTI.
3. Name the blood and tissue flagellates. Write morphology life cycle and laboratory diagnosis of kala-azar.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Hepatitis C virus.
5. Candidiasis.
6. Japanese B Encephalitis.
7. Cultivation of viruses.
8. Laboratory diagnosis of entamoeba histolytica.
9. Dermatophytes.
10. Laboratory diagnosis of HIV/AIDS.
11. Life cycle of taenia saginata.
12. Mucormycosis.
13. Infectious mononucleosis.
14. Slow viruses.
15. Cryptosporidium.

SHORT ANSWERS (No Choices)

10 X 3 = 30 Marks

16. Uses of embryonated egg inoculation.
17. Vectors in parasitology.
18. Bacteriophage.
19. Cercaria.
20. Tissue culture.
21. Keratomycosis.
22. Molluscum contagiosum.
23. Bile stained eggs.
24. Hepatitis B-vaccine.
25. Rhinosporidiosis.