SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-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 labeled diagrams wherever necessary.

LONG ESSAY (Answer any Two) **2 X 10 = 20 Marks**

1. State the principle of agglutination reaction. Describe the tests based on agglutination and their applications.
2. Name the bacterial agents causing acute gastroenteritis. Describe the pathogenesis, laboratory diagnosis and prevention of cholera.
3. Define sterilization. Describe moist heat sterilization methods.

SHORT ESSAY (Answer any Ten) **10 X 5 = 50 Marks**

4. Non suppurative complications of β haemolytic streptococci.
5. Laboratory diagnosis of tuberculosis.
6. Laboratory diagnosis of brucellosis.
7. Structure and types of flagella.
8. Cell mediated immunity.
9. Enterotoxigenic Escherichia coli.
10. Laboratory diagnosis of diphtheria.
11. Infections caused by chlamydiae.
12. Type I Hypersensitivity reaction.
13. Laboratory diagnosis of gonorrhea.
14. Non organ specific autoimmune diseases.
15. Pseudomembraneous enterocolitis.

SHORT ANSWERS (No choices) **10 X 3 = 30 Marks**

16. Bacterial agents causing neonatal meningitis.
17. DPT.
18. Tuberculin skin test.
19. MRSA.
20. Agents of bacterial food poisoning.
21. Quelling reaction.
22. Antistreptolysin O.
23. Name four zoonotic infections.
24. IGA.
25. Louis pasteur.

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MICROBIOLOGY– PAPER II

Q.P Code : RS-110

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

LONG ESSAY (Answer any Two) **2 X 10 = 20 Marks**

1. Classify nematodes. Describe the life cycle, laboratory diagnosis and prevention of ankylostoma duodenale.
2. Describe the structure, life cycle and laboratory diagnosis of entamoeba histolytica.
3. Classify human herpes viruses. Describe the pathogenicity and laboratory diagnosis of herpes simplex viruses.

SHORT ESSAY (Answer any Ten) **10 X 5 = 50 Marks**

4. Madura mycoses.
5. Viral cultivation methods.
6. Laboratory diagnosis of fungal infections.
7. Viral diarrohea.
8. Laboratory diagnosis of filariasis.
9. Complications of plasmodium falciparum.
10. Enterobius vermicularis.
11. Lab diagnosis of HIV infection.
12. Cryptosporidiosis.
13. Japnese B. Encephalitis .
14. Cysticercus cellulosae.
15. Laboratory diagnosis of Kalaazar.

SHORT ANSWERS (No choices) **10 X 3 = 30 Marks**

16. DANE particles.
17. Mosquito borne infections.
18. Hepatitis E virus.
19. Agents causing oculomycosis.
20. Mycotoxicosis.
21. MMR.
22. Negri body.
23. Congenital rubella syndrome.
24. Lab diagnosis of Chikungunya.
25. Entero test.

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MICROBIOLOGY– PAPER I

Q.P Code : SDUU-109

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

LONG ESSAY **2 X 10 = 20 Marks**

1. Define and classify hypersensitivity reactions. Discuss in detail type one hypersensitivity reaction.
2. Enumerate the aetiological agents of gastroenteritis, write in detail about pathogenesis, laboratory diagnosis and epidemiology of vibrio cholera.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Serological tests for syphilis.
4. Mechanisms of drug resistance.
5. Artificial active immunity.
6. Non suppurative complications of streptococcus pyogenes infection with laboratory diagnosis.
7. Laboratory diagnosis of gonorrhoea.
8. IgA.
9. Clostridium difficile.
10. ELISA.
11. Lab diagnosis of pulmonary tuberculosis.
12. Autoclave.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Sewer swab technique.
14. Contributions of Louis pasteur.
15. Differences between exotoxins and endotoxins.
16. Stalactite growth.
17. Satellitism.
18. Hapten.
19. Blue pus.
20. Biological activities of complement.
21. Anamnestic reaction.
22. Inclusion conjunctivitis.

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MICROBIOLOGY– PAPER II

Q.P Code : SDUU-110

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

LONG ESSAY **2 X 10 = 20 Marks**

1. Chemical properties of viruses to structure of viruses and describe the cultivation of viruses.
2. Describe the morphology, life cycle and pathogenicity of L.Donovani.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Epstein – Barr Virus (EBV)
4. Dengue fever.
5. Morphology, viral genes and antigens of HIV virus.
6. Slow viruses.
7. Name the intestinal flagelletes. Describe the pathogenesis and life cycle of G.Lamblia.
8. Hydatid cyst.
9. Pathogenesis of A.Lumbricoides.
10. Micro filariae.
11. Superficial mycoses.
12. Pneumocystis jiroveci.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Oral polio vaccine (OPV)
14. Oncogenic DNA viruses.
15. Examples of pandemics.
16. Toxo plasmosis.
17. Germ tube test.
18. Water – borne pathogens.
19. Chancroid.
20. Septecemia.
21. Causative organisms of UTI.
22. Normal flora of GIT.

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