Q.P Code : 109

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2014

Time : 3 Hrs. **[Max. Marks : 100]**

MICROBIOLOGY– PAPER I

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

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

1. Describe he properties of complement and the classical pathway of activation of compliment with diagramatic representation.
2. Explain the morphology, culture, classification and laboratory diagnosis of vibrio cholerae.

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

3. Schematic diagram and classification of Immunoglobulin.
4. Effector functions of T Cells.
5. Virulence factors of Staphylococcus Aureus.
6. Morphology of Neisseria Gonorrhoeae.
7. Laboratory diagnosis of clostridium tetani.
8. Pathogenesis of helicobacter pylori.
9. Cell wall components of mycobacterium tuberculosis.
10. Serodiagnosis of Syphilis.
11. Identification features of listeria monocytogenes.
12. .Laboratory diagnosis of epidemic typhus.

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

13. Koch’s Postulates (criteria)
14. Diagramatic explanation of cell wall of Bacteria.
15. Hospital applications of Disinfectants.
16. Define and explain herd immunity with examples.
17. Types of Immunodiffusion reactions.
18. Examples of complement deficiencies diseases.
19. Identification of pneumococcus.
20. Extraintestinal manifestations of Typhoid fever.
21. Petroff’s Method.
22. What are genital mycoplasma species?

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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. Discuss the etiology, pathogenesis clinical features and laboratory diagnosis of hepatitis B Virus.
2. Describe the Morphology, types, pathogenesis, clinical features and diagnosis, prevention of hookworm Infestations.

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

3. Sample collection for swine flu infection identification.
4. Laboratory diagnosis of rotavirus enteritis.
5. Pulse polio vaccination programme.
6. Screening tests for HIV Infection.
7. Amoebic meningo- encephalitis.
8. Laboratory diagnosis of malaria.
9. Enterobius vermicularis infection in children.
10. Describe the types and identification of superficial mycoses.
11. Laboratory diagnosis of crydtococcus neoformans.
12. The infection control policy.

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

13. Give examples of diseases associated with Epstein-Barr virus.
14. Active immunization schedule for hepatitis ‘B’ infection.
15. What is antigenic drift.
16. Classification of flagellates.
17. Indentification of echinococcus granulosus.
18. Give examples of parasites having two intermediate hosts.
19. Examples of attenuated live vaccines.
20. Prevention of waterborne parasitic infections.
21. Color codes for hospital waste disposal.
22. Skin scrapping for fungal identification.

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MICROBIOLOGY– PAPER I

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

1. Classify sterilization. Describe moist heat sterilisation.
2. Classify Yersinia. Describe pathogenesis and lab diagnosis of plague .

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

3. Adjuvants.
4. Lyme's disease.
5. Type III Hypersensitivity.
6. Endotoxins.
7. Helicobacter Pylori.
8. Nagler's reaction.
9. Prophylaxis of diphtheria.
10. Brucellosis.
11. Mechanisms of innate immunity.
12. Anaerobic cultivation methods.

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

13. Enrichment media.
14. Define precipitation and give two examples.
15. Examples of type II hypersensitivity.
16. Lab diagnosis of Q fever.
17. Examples of endemics.
18. Biological effects of complement.
19. Sereny's test.
20. Anton test.
21. Name the abnormal immunoglobulins.
22. Draw a labeled diagram of Bacterial spore.

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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. Discuss in detail about HIV associated parasitic infections.
2. Describe laboratory diagnosis of viral infections.

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

3. Cytopathic effect.
4. Life cycle of entamoeba hystolytica.
5. Classification of fungus.
6. Coxsackie virus.
7. Haemagglutinin and neuraminidase.
8. Serological markers of hepatitis B virus.
9. Slow virus disease.
10. Ascariasis.
11. Black water fever.
12. Difference between nematodes and cestodes.

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

13. Dimorphic fungi.
14. Potassium hydroxide (KOH)mount.
15. Non neural rabies vaccines.
16. Antigenic shift.
17. Ecto and Endo parasites.
18. Isospora belli.
19. Diethyl carbamazine provocation tests.
20. Inclusion body.
21. Leishman-donovan body.
22. Charcot-leyden crystal.

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