



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Second Year Semester-IV

September 2024 Examination

B.Sc. Anesthesia & Operation Theatre Technology

Time: 3 Hrs.

Paper – I

[Max. Marks: 100]

Applied Pathology & Microbiology

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

(Use separate answer booklet for Section A & B)

Section – A

Applied Pathology (50 Marks)

Q.P Code : J4135

Long Essay

2 X 10 = 20 Marks

1. Define hypertension What are the risk factors, types and pathophysiology of hypertension
2. Define acute renal failure ,discuss causes, ,pathogenesis and effects of acute renal failure

Short Essay (Answer any Three)

3 X 5 = 15 Marks

3. Name three uses of renal dialysis
4. Classify congenital heart disease
5. Aneurysm – define, types and complications
6. Mention causes and clinical manifestation of obstructive uropathy
7. Define cardiomyopathy. Mention the types of cardiomyopathy

Short Answers (Answer any Five)

5 X 3 = 15 Marks

8. Write a note on prosthetic valves
9. Mention the types of cardiac hypertrophy
10. List out 2 criteria for chronic renal failure
11. Risk factors for atherosclerosis
12. Causes of end stage renal disease
13. Note on myocardial infarction
14. Tetralogy of fallot

Section – B

Applied Microbiology (50 Marks)

Q.P Code : J4136

(Use separate answer booklet for Section-B)

Long Essay

2 X 10 = 20 Marks

1. Describe the clinical features , laboratory diagnosis of Hepatitis B infection and add a note on prophylaxis.(2+4+4)
2. Define disinfectants and antiseptics. Classify disinfectants with examples and their uses.(4+2+4)

Short Essay (Answer any Three)

3 X 5 = 15 Marks

3. Describe the laboratory diagnosis of Enteric fever.
4. Describe the clinical features and laboratory diagnosis of Pneumococcal pneumoniae (2.5+2.5)
5. What is the mode of transmission and laboratory diagnosis of Hepatitis C virus.(2.5+2.5)
6. Laboratory diagnosis of Pulmonary tuberculosis.
7. Describe the clinical features and laboratory diagnosis of Varicella zoster.(2.5+2.5)

Short Answers (Answer any Five)

5 X 3 = 15 Marks

8. Draw a labelled diagram of trophozoite and cyst of *Giardia lamblia*.
9. Mention the three measures to prevent blood borne infections.
10. Mention the three uses of Aldehydes.
11. Describe the laboratory diagnosis of Cholera.
12. Differences between oral and live Polio vaccine
13. Segregation of biomedical waste.
14. Draw a neat labelled diagram of fertilized egg of round worm.