



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

B.Sc. Allied Health Sciences Second Year (Semester-III)

September 2022 Examination

B.Sc. Respiratory Care Technology

Time : 2 Hrs.

[Max. Marks : 40]

Subject : Applied Pharmacology

Q.P Code : J3870

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

1 X 10 = 10 Marks

1. List anticoagulants. Explain the mechanism of action, uses and adverse effects of heparin

(2+2+3+3)

SHORT ESSAY (Answer any three)

3 X 5 = 15 Marks

2. Explain the mechanism of action, uses and adverse effects alpha blockers (1+2+2)

3. Explain the mechanism of action, uses and adverse effects of nitrates (1.5+2+1.5)

4. Explain drug antagonism with examples

5. Explain the mechanism of action and uses of anticholinesterases (1.5+ 3.5)

SHORT ANSWERS (Answer any five)

5 X 3 = 15 Marks

6. Write the mechanism of action and three uses of enalapril

7. Write three uses and three adverse effects of frusemide

8. Write the treatment of anaphylactic shock

9. Explain bioavailability and plasma half-life with examples

10. Explain tolerance and dependence with examples

11. List three differences between oral and intravenous route of drug administration

