

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



B.Sc. Allied Health Sciences Second Year (Semester-III)
September 2023 Examination
B.Sc. Cardiac Care Technology

Time : 2 Hrs.

[Max. Marks : 40]

Applied Pharmacology

Q.P Code : J3770

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

1 X 10 = 10 Marks

1. a. Classify different routes of drug administration with examples (5)
- b. List the advantages and disadvantages of intravenous route and sublingual route of drug administration (2.5+2.5)

SHORT ESSAY (Answer any three)

3 X 5 = 15 Marks

2. Explain the mechanism of action, uses and adverse effects of nitroglycerine (1+2+2)
3. Explain the mechanism of action, uses and adverse effects of heparin (2+2+1)
4. Explain mechanisms of drug action, uses and precautions to be taken with dopamine (1+1.5+2.5)
5. Explain the mechanism of action, uses and adverse effects of prazosin (1.5+2+1.5) .

SHORT ANSWERS (Answer any five)

5 X 3 = 15 Marks

6. Mention three adrenergic receptor blockers and write one use for each
7. Mention three uses and three adverse effects of verapamil
8. Mention three local anesthetics and write their uses
9. Mention three types of drug antagonism with examples
10. Mention crystalloids and write their uses
11. Write the mechanism of action and uses of morphine

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

September 2023 Examination

B.Sc. Cardiac Perfusion Technology

Time : 2 Hrs.

[Max. Marks : 40]

Applied Pharmacology

Q.P Code : J3820

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

1 X 10 = 10 Marks

1. a. Classify different routes of drug administration with examples (5)
- b. List the advantages and disadvantages of intravenous route and sublingual route of drug administration (2.5+2.5)

SHORT ESSAY (Answer any three)

3 X 5 = 15 Marks

2. Explain the mechanism of action, uses and adverse effects of nitroglycerine (1+2+2)
3. Explain the mechanism of action, uses and adverse effects of heparin (2+2+1)
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