

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2016

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY– PAPER I

Q.P Code : SDUU-111

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify non-steroidal anti-inflammatory drugs. Write the mechanism of action, adverse effects and therapeutic uses of aspirin.
2. Classify the drugs used in angina pectoris. Write the pharmacological actions, mechanism of action, adverse effects and uses of nitrates.

SHORT ESSAY

10 X 5 = 50 Marks

3. Warfarin.
4. Mannitol.
5. Tachyphylaxis.
6. Treatment of myasthenia gravis.
7. Adverse effects of pnenytoin sodium.
8. Atropine substitutes.
9. Losartan.
10. Ketamine.
11. Oximes.
12. Pharmacogenetics.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Advantages of sub lingual route of administration.
14. Fixed dose drug combinations.
15. Mention three pharmacokinetic drug inter-actions.
16. Mention three uses of skeletal muscle relaxants.
17. Treatment of pernicious anaemia.
18. Clopidogrel.
19. Nicorandil.
20. Treatment of drug induced parkinsonism.
21. Advantages of ace inhibitors in congestive cardiac failure.
22. Treatment of diabetes insipidus.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2016

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY– PAPER II

Q.P Code : SDUU-112

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Mention drugs affecting calcium metabolism. Briefly write about treatment of hypercalcemia.
2. Classify anticancer drugs according to their mode of action. Briefly write about the clinical indications and adverse effects of purine antagonists.

SHORT ESSAY

10 X 5 = 50 Marks

3. Clinical indications of anti emetic drugs.
4. Vasopressin.
5. Drug treatment of filariasis.
6. Management of acute diarrhoea.
7. Oestrogen antagonists.
8. Oxytocin v/s Ergometrin.
9. Pharmacotherapy of rheumatoid arthritis.
10. Therapeutic uses of chloroquine.
11. Name the radioactive isotopes with their clinical uses.
12. Name the preparations and therapeutic uses of anabolic agents.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Permethrin.
14. Injectable contraceptives.
15. Leucovorin rescue.
16. Chlorhexidine.
17. Name drugs with doses used in “DOTS”(Directly Observed Treatment, Short course)
18. Name three stool softeners with doses.
19. Therapeutic uses of d-pencillamine.
20. Name three enzymes used as therapy with their clinical indications.
21. Jarisch-Herxheimer reaction.
22. Name two anti fungal drugs crosses blood brain barrier.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2016

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY– PAPER I

Q.P Code : RS-111

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 sedative hypnotic agents? What is the mechanism of action of benzodiazepines? Mention the therapeutic uses and adverse effects of benzodiazepines.
2. Classify anti arrhythmic agents? Describe the mechanism of action and examples of drugs in class I?
3. What are the different phases in new drug development? Describe phase III drug trial? Add a note on informed consent?

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Describe the limitations of conventional antipsychotics.
5. Describe the mechanism of action of sodium nitroprusside.
6. Placebo.
7. Describe adverse effects of heparin.
8. Explain the basis of use of Dobutamine in treatment of cardiogenic shock.
9. What are the differences between old and new generation of competitive neuromuscular blockers.
10. Name anticholinesterases used in Alzheimer's disease. Mention toxicity of each.
11. Mention the therapeutic uses of sympathomimetic agents.
12. Shot gun hematinic preparations.
13. Explain how the effects of anticoagulants are monitored.
14. Describe the treatment of mild heart failure.
15. Mention the examples of potassium channel openers. Describe their uses and adverse effects.

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Name the drug used for the treatment of diazepam overdose? Mention its mode of administration.
17. Name two COMT inhibitors.
18. Name two drugs used by rectal route for system effect.
19. What is prodrug? Give two examples?
20. What are the important clinical uses of Hyoscine.
21. Name the alpha adrenergic blockers preferred for treatment of intra operative management of pheochromocytoma.
22. Name non DHP drugs with their uses.
23. Explain the basis of using nitroglycerin for biliary spasm.
24. Name two central sympatholytic agents used for essential hypertension.
25. Name two antiepileptic agents used for trigeminal neuralgia.

*** * ***

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2016

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY– PAPER II

Q.P Code : RS-112

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Classify Cephalosporins. Write in detail about third generation cephalosporins-mechanism of action, uses and adverse effects.
2. Classify oral antidiabetic drugs. Write in detail about the mechanism of action, adverse effects of insulin sensitizers.
3. Classify anti malarial drugs. Write in detail about the mechanism of action, adverse effects and other indications for chloroquine.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. General toxicities of aminoglycoside antibiotics.
5. Dapsone.
6. Anti thyroid drugs.
7. Therapeutic uses of prostaglandins.
8. Newer antihistamines.
9. Bronchodilators.
10. Antiemetics.
11. Calcineurin inhibitors.
12. Vancomycin.
13. Drugs in neurocysticercosis.
14. Retroviral protease inhibitors.
15. Oral rehydration therapy.

SHORT ANSWERS (No Choices)

10 X 3 = 30 Marks

16. Mention four therapeutic uses of acyclovir.
17. Explain the basis of using folinic acid in methotrexate therapy.
18. Name two drugs for migraine and its mechanism.
19. Mention two drugs used as mast cell stabilizer and its mechanism.
20. Mention four anti amoebic drugs and its mechanism.
21. Mention four tocolytic agents and its uses.
22. Mention four contraindications for corticosteroids.
23. Mention two drugs used in hyperkalemia and rationale.
24. Mention four anti tussives and its mechanism.
25. Calcium disodium edetate.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2016

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY– 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. Classify anti epileptic drugs. Write the mechanism of action, therapeutic uses and adverse effects of Phenytoin.
2. Classify antiangina drugs. Mention the mechanism of action, therapeutic uses and adverse effects of Nitroglycerin.

SHORT ESSAY

10 X 5 = 50 Marks

3. Uses and adverse effects of ACE inhibitors.
4. Plasma expanders.
5. Uses and contra indications of atropine.
6. Succinyl choline.
7. Therapeutic uses and adverse effects of adrenaline.
8. Indications and contra indications of β Blockers.
9. Levodopa.
10. Thiazide diuretics.
11. Pentazocine.
12. Types and treatment of drug allergy.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Hoffman's elimination.
14. Mention two advantages and disadvantages IV route of drug administration.
15. Atypical antipsychotics.
16. Treatment of methyl alcohol poisoning.
17. Mention two drugs used by intravenous route in hypertensive emergencies.
18. Mention two uses and adverse effects of digoxin.
19. Mention two oral and two parenteral preparations of iron.
20. Plasma half life.
21. Therapeutic uses of Lignocaine.
22. LMWH.