

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2013

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. Enumerate the aminoglycoside antibiotics. Write the mechanism of action, shared toxicity and indications of gentamicin & neomycin.
2. Classify anti thyroid drugs. Enumerate the mechanism of action, indications and adverse effects of hormone synthesis inhibitors. Add a note thyroid storm.

SHORT ESSAY

10 X 5 = 50 Marks

3. Primaquine.
4. Sulfonyl ureas.
5. Anti diarrhoeals.
6. Proton pump blockers.
7. Praziquantel
8. Mechanism of action and indications of corticosteroids.
9. Anabolic steroids.
10. Drugs used in lepra reaction with the rationale.
11. Growth hormone inhibitors.
12. Biguanides.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Name three indications of albendazole.
14. Name the first line drugs used in tuberculosis.
15. Name two chelating agents with their indications.
16. Mention luminal amoebicides and their indication.
17. Mention two post coital regimens.
18. Drugs used in acute severe asthma.
19. Name the vinca alkaloids with one indication for each.
20. Mention three Nucleoside reverse transcriptase inhibitors.
21. Mention three bronchodilators and their adverse effects.
22. Tacrolimus.

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PHARMACOLOGY– PAPER I

Q.P Code : SDUU-111

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify general anaesthetics. Write in detail about any two intravenous anaesthetics. Add a note on pre anaesthetic medication.
2. Classify anticoagulants. Write the mechanism of action, therapeutic uses and adverse effects of heparin. Add a note on heparin antagonist.

SHORT ESSAY

10 X 5 = 50 Marks

3. Phase 1 reactions in biotransformation.
4. Drug allergy.
5. Diazepam.
6. Newer drug delivery system.
7. Pilocarpine
8. Uses and adverse effects of beta blockers.
9. Thiazide diuretics.
10. Uses and adverse effects of digoxin.
11. Uses and adverse effects of ACE inhibitors
12. Succinyl choline

SHORT ANSWERS

10 X 3 = 30 Marks

13. Complications of spinal anaesthesia
14. Mention two advantages and disadvantages of IM route of drug administration
15. Cheese reaction.
16. Edrophonium test.
17. Treatment of organophosphorous poisoning.
18. Synergism with one example.
19. Enoxaparin.
20. Mention Three calcium channel blockers and Three uses.
21. Treatment of drug induced parkinsonism.
22. Mention the drug of choice and two other drugs used in hypertensive emergencies.

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PHARMACOLOGY– PAPER I

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LONG ESSAY

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1. Classify antiepileptic drugs. Briefly write on mechanism of action and adverse effects of sodium valproate.
2. Write factors modifying drug dose and responses. Briefly write on methods of calculation of drug dose in children.

SHORT ESSAY

10 X 5 = 50 Marks

3. Treatment of migraine
4. Pharmacogenetics.
5. Pharmacological actions of cardiac glycosides.
6. Fluoxetine.
7. Aspirin V/S paracetamol
8. Therapeutic uses and adverse effects of chlorpromazine.
9. Pharmacological actions and various dosage forms of organic nitrates.
10. Therapeutic uses and contraindications of morphine
11. Disulfiram therapy.
12. D-Tubocurarine V/S succinyl choline

SHORT ANSWERS

10 X 3 = 30 Marks

13. Name six drugs as K⁺ channel openers.
14. Therapeutic uses of chlorthiazide.
15. Therapeutic uses of adrenaline.
16. Prodrugs.
17. Name two fibrinolytic agents with their therapeutic use.
18. Midazolam.
19. Ketotifen.
20. Therapeutic uses of isoprenaline.
21. Vitamine B₁₂
22. Name three central nervous system (CNS) stimulant Drugs

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PHARMACOLOGY– PAPER II

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LONG ESSAY

2 X 10 = 20 Marks

1. Write the mechanism of action, preparations and adverse effects of insulin. Add a note on diabetic ketoacidosis.
2. Classify Anti-Tubercular Drugs. Write the Mechanism of Action, Adverse effects and therapeutic uses of rifampicin.

SHORT ESSAY

10 X 5 = 50 Marks

3. Radio active iodine.
4. Sequential blockade.
5. Flouroquinolones.
6. Antihistaminics.
7. Oral contraceptives.
8. Pharmacotherapy of amoebiasis.
9. β_2 Sympathomimetics in bronchial asthma.
10. Laxatives.
11. Pharmacotherapy of acute gout.
12. Antithyroid drugs.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Mifepristone.
14. Albendazole.
15. Aspirin.
16. Protease inhibitors.
17. Mechanism of action of corticosteroids.
18. Cyclosporine.
19. Ergot Alkaloids.
20. Amphotericin B
21. 5 HT₃ Antagonists.
22. Oxytocin.