

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2015

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 Antihypertensive agents. Describe the mechanism of action therapeutic uses and adverse effects of captopril.
2. Classify nonsteroidal antiinflammatory drugs. Write the mechanism of action, therapeutic uses and adverse effects of salicylates.

SHORT ESSAY

10 X 5 = 50 Marks

3. Treatment of organophorous poisoning.
4. Levodopa.
5. Treatment of narrow angle glaucoma.
6. Distribution.
7. Treatment of status epilepticus.
8. Therapeutic uses of beta blockers.
9. Halothane advantages and disadvantages.
10. Factors modifying drug action.
11. Mechanism of action and adverse effects of digoxin.
12. Desferrioxamine.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Plasma half life.
14. Treatment of anaphylactic shock.
15. Name two topical NSAID's and its uses.
16. Mention three drug interactions of NSAID's.
17. Name four teratogenic drugs.
18. Mention three drugs used in ventricular arrhythmias.
19. Name three drugs used in alzheimer's disease.
20. Mention two beta blockers with additional alpha blocking activity.
21. Rationale of using dopamine in cardiogenic shock.
22. Mention two antiplatelet drugs and its uses.

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PHARMACOLOGY– PAPER II

Q.P Code : SDUU-112

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify oral anti-diabetic with examples. Explain the mechanism of action and adverse effects of thiazolidinediones.
2. Enumerate drugs used in the management of tuberculosis. Explain the mechanism of action, adverse effects and drug interactions of rifampicin.

SHORT ESSAY

10 X 5 = 50 Marks

3. Enlist the pharmacokinetic features of aminoglycosides.
4. Antifungal antibiotics.
5. Antibiotics in cancer chemotherapy.
6. Therapeutic uses of vitamin D.
7. Ergot alkaloids and its therapeutic uses.
8. Drugs used in the management of status asthmaticus.
9. Uricosuric agents in the treatment of gout.
10. Antiulcer drugs.
11. Hormonal contraceptives.
12. Treatment of copper poisoning.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Sequential blockade.
14. Vinca alkaloids.
15. Cyclosporins.
16. Praziquantel.
17. Describe the mechanism of action and adverse effects of metaclopramide.
18. Thyroid storm.
19. Uses of chloroquine.
20. Scabidical agents.
21. PEP.
22. Methotrexate.

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LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Describe the factors modifying drug response?
2. Classify drugs used in the treatment of essential hypertension. Describe the mechanism of action of angiotensin converting enzyme inhibitors? Add a note on treatment of hypertensive crisis?
3. Classify drugs used in treatment of grand mal epilepsy? Describe the mechanism of action and therapeutic uses of sodium valproate?

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Describe four anaesthetic agents.
5. Classify and describe the drugs used in the treatment of alcohol addiction?
6. Mention a typical antipsychotics. Mention the advantages and disadvantages of each.
7. Describe with examples different modes of administration of lignocaine?
8. Mention the anti hypertensives to be avoided in patients with associated gout. What is the reason?
9. Describe the drugs used in the treatment of obesity?
10. Describe the difference between cholestyramine and cholic acid?
11. Describe the treatment of diabetic insipidus?
12. Describe five important contraindications to morphine.
13. Write briefly the side effects of alpha-adrenergic blockers?
14. Mention the depolarizing neuromuscular blockers. Describe the pharmacokinetic features and clinical uses?
15. Describe the fixed dose combinations. What are the advantages and disadvantages of them?

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Explain why Ramefantanyl has ultra short action?
17. Explain why imipramine is avoided in patient with history of epilepsy?
18. Name three drugs from different groups used for prophylaxis of angina?
19. Mention four important differences between cocaine and lignocaine?
20. Name two drugs used for treatment of cardiogenic shock?
21. Name the antidotes used in case of overdose of heparin and warfarin?
22. Name the anemia where the use of iron is hazardous?
23. Name two drugs each used for treatment of central diabetes insipidus and nephrogenic diabetes insipidus?
24. Name beta blockers with additional alpha- blocking action?
25. Mention three differences between tachyphylaxis and tolerance?

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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 antitubercular agents. Describe the mechanism of action of Rifampicin. Describe DOTS plus regimen.
2. Classify oral contraceptive pills. Describe the rationale of different contraceptive pills in females. Describe the therapeutic uses, adverse effects with contraceptive pills.
3. Describe the drugs used in bronchial asthma. Mention the role of Glucocorticoids and different Glucocorticoids used in treatment of asthma. Add a note on advantages and adverse effects of inhaled corticosteroids.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Streptogramins.
5. Lactulose.
6. Leflunomide. Mechanism of action and its uses.
7. Enumerate uterine relaxants.
8. Describe the drug therapy of postmenopausal osteoporosis.
9. Methotrexate mechanism of action and therapeutic uses.
10. Mechanism of action and therapeutic uses of Diethyl carbamazine.
11. Protease inhibitors.
12. Mechanism of action and clinical uses of Artemisinin and derivatives.
13. MOA, uses and ADR of tetracyclines.
14. Post antibiotic effect.
15. Immunostimulants.

SHORT ANSWERS (No Choices)

10 X 3 = 30 Marks

16. Describe the differences between antiseptic and disinfectant. Mention one example of each.
17. What is a Mucokinetic agent? Mention their clinical uses.
18. Drugs in acne.
19. What are the advantages of using spacers in treatment of asthma?
20. Explain why Timolol is avoided in patients of bronchial asthma. Name one β blockers which can be used in patient of glaucoma with asthma.
21. Name four antiemetics safe during pregnancy.
22. Explain why Loperamide is avoided in infective diarrhea?
23. Name one Oxytocin antagonist useful for premature labour.
24. Name a drug used for pharmacological castration and mention the conditions for which pharmacological castration is required.
25. What is pulse therapy? When such therapy is used.

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify muscarinic receptor antagonists, write in brief the pharmacological action, therapeutic uses of atropine.
2. Write in brief the factors modifying drug effects with examples.

SHORT ESSAY

10 X 5 = 50 Marks

3. Write mechanism of action and therapeutic uses of Thiazide diuretics.
4. Angiotensin receptor antagonists.
5. Write rationale of combining levodopa with carbidopa in parkinsons disease.
6. Role of nitrates in angina pectoris.
7. Mechanism of action and adverse effects of digoxin.
8. Intravenous general anaesthetics.
9. Oral anti coagulants.
10. Write mechanism of action and uses of Lidocaine.
11. Succinylcholine.
12. Pharmacological actions and therapeutic uses of morphine.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Therapeutic index.
14. Synergism.
15. Therapeutic uses of Adrenaline.
16. Name four atypical antipsychotic drugs.
17. Name potassium channel openers.
18. Rationale of using verapamil in supraventricular tachycardia.
19. Mention four drugs used in hypertensive emergencies.
20. Mention four antiplatelet drugs and their therapeutic uses.
21. Iron preparations.
22. What is up regulation and down regulation. Give examples.

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PHARMACOLOGY– PAPER II

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify cephalosporins? Discuss pharmacology of third generation cephalosporins.
Write a note on monobactams.
2. Classify oral contraceptive pills. Discuss the mechanism of action and adverse effects.
Write a note on hormone replacement therapy.

SHORT ESSAY

10 X 5 = 50 Marks

3. Fluoroquinolones.
4. Glucocorticoids.
5. Directly observed therapy-short course.
6. Classify antiemetics. Write a note on prokinetic drugs.
7. Uses of prostaglandins.
8. Chelating agents.
9. Management of acute severe asthma.
10. Disease modifying antirheumatoid drugs.
11. Proton pump inhibitors.
12. Antitussives.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Treatment of plasmodium vivax malaria.
14. Leukotriene antagonists.
15. Cotrimoxazole.
16. Methotrexate.
17. Tetracyclines.
18. Bisphosphonates.
19. Amphotericin B.
20. Uterine relaxants.
21. Nucleoside reverse transcriptase inhibitors.
22. Metformin.