

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-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 anti epileptic drugs. Write the mechanism of action, therapeutic uses and adverse effects of Phenytoin.
2. Classify antianginal drugs. Mention the mechanism of action, therapeutic uses and adverse effects of nitroglycerine.

SHORT ESSAY

10 X 5 = 50 Marks

3. Uses and adverse effects of ACE inhibitors.
4. Plasma expanders.
5. Uses and contraindications of atropine.
6. Succinyl choline.
7. Therapeutic uses and adverse effects of adrenaline.
8. Indications and contraindications of β blockers.
9. Dopamine agonists in parkinsonism.
10. Thiazide diuretics.
11. Opioid antagonists.
12. Types of treatment of drug allergy.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Hoffman's elimination.
14. Mention two advantages and disadvantages of IV route of drug administration.
15. Pentazocine.
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. Acute tolerance.
21. Therapeutic uses of Lignocaine.
22. Treatment of pernicious anemia.

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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 penicillin. Outline the disadvantages of penicillin. List the indications of its clinical uses.
2. Classify drugs used against tuberculosis. Describe the directly observed treatment regimen and its applications.

SHORT ESSAY

10 X 5 = 50 Marks

3. Anti thyroid drugs.
4. Sodium chromoglycate and its uses.
5. Oral iron preparations.
6. Artemisin based combination therapy.
7. Antiemetics.
8. Metronidazole.
9. Drugs used in osteoporosis.
10. Newer insulins.
11. Topical antifungal agents.
12. Ayclovir.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Four therapeutic indications of oral contraceptive pills.
14. Mention four second generation cephalosporins.
15. Mention four drugs used in typhoid fever.
16. Leucovirin therapy.
17. Mention two inhalational corticosteroids.
18. Mention beta lactamase inhibitors.
19. Three uses of misoprostol.
20. Mention two taxanes.
21. Mechanism of action of omeprazole.
22. Mention four agents used as antiseptics.

PHARMACOLOGY– PAPER I

Q.P Code : RS-111

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 opioid analgesics. Describe pharmacological actions, uses and adverse effects of Morphine.
2. Classify beta blockers. Discuss the actions, uses and ADR of cardio selective beta blockers.
3. Classify drugs used to treat congestive cardiac failure. Describe mechanism of action, uses and adverse effects of cardiac glycosides.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Write the uses and adverse effects of osmotic diuretics.
5. Explain any five factors affecting drug bioavailability.
6. Describe the Merits and Demerits of inhalational route of drug administration.
7. Write a note on succinyl choline apnoea.
8. Describe five important uses of adrenaline.
9. Explain five different groups of atropine substitutes.
10. Describe five uses of calcium channel blockers.
11. Explain the treatment of acute myocardial infarction.
12. Explain any five uses of alpha blockers.
13. Write a note on oral iron preparations.
14. Differentiate between heparin and warfarin.
15. Write a note on statins as hypolipidemic drugs.

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Write the uses and ADR of Amiodarone.
17. Why is dopamine preferred for treating cardiogenic shock?
18. Write about plasma half life of a drug.
19. Enumerate antidiuretic drugs. Mention their uses.
20. Explain mechanism of action of lignocaine.
21. Why is L-Dopa combined with carbidopa for parkinsonism?
22. Enumerate uses of Diazepam.
23. Explain three important uses of aspirin.
24. Write a note on preanaesthetic medication.
25. Explain microsomal enzyme induction with suitable examples.

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PHARMACOLOGY– PAPER II

Q.P Code : RS-112

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LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Enumerate Macrolide antibiotics? Write the mechanism of action, therapeutic uses and adverse reactions of Azithromycin.
2. List out the various insulin preparations. Write their mechanism of action and adverse effects. Brief about the new approaches for insulin administration.
3. Define broad spectrum antibiotics? Classify broad spectrum antibiotics. Write their mechanism of action, therapeutic uses and adverse effects of Tetracyclines.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Monoclonal antibodies.
5. DOTS plus regimen.
6. Antacids.
7. Cotrimoxazole.
8. Antiestrogens.
9. Anticancer antibiotics.
10. Non biological agents in rheumatoid arthritis.
11. Oral contraceptive pills and their adverse effects.
12. Broad spectrum antihelminthic drugs.
13. Amphotericin B
14. Iron chelators.
15. Zidovudine.

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Silver sulfadiazine.
17. Oseltamavir.
18. Drugs used in treatment of filariasis.
19. Iodine-therapeutic uses and adverse effects.
20. Gossypol.
21. Mosapride.
22. Treatment of acute bronchial asthma.
23. Oxytocin receptor antagonist.
24. Teicoplanin.
25. Racecadotril.