

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2014

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. Define bioavailability? Explain factors affecting drug absorption. Write a note on significance of plasma protein binding?
2. Classify beta blockers and discuss their uses? Write a note on pharmacotherapy of glaucoma.

SHORT ESSAY

10 X 5 = 50 Marks

3. Immediate and delayed type of adverse drug reactions.
4. Atropine substitutes.
5. Classification, uses and adverse effects of benzodiazepines.
6. Pharmacotherapeutic uses of adrenergic drugs.
7. Classification, uses and adverse effects of antipsychotics.
8. COMT and MAO-I in Parkinsons disease.
9. Pharmacokinetics, mechanism of action and adverse drug effects of digoxin.
10. Classification, uses and adverse effects of opioids.
11. Antiplatelet drugs.
12. Angiotensin converting enzyme inhibitors.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Statins.
14. Low molecular weight heparins.
15. Preanaesthetic medications.
16. Selective serotonin reuptake inhibitors.
17. Sodium nitro prusside
18. Class III antiarrhythmics.
19. NON-DHP calcium channel blockers.
20. Vasopressin analogues.
21. Plasma expanders.
22. Loop diuretics.

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PHARMACOLOGY– PAPER II

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LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate different classes of drugs in malaria. Describe mechanism of action, therapeutic uses and ADR of chloroquine.
2. Classify oral hypoglycemic drugs with examples under each group. Describe the mechanism of action and adverse effects of sulfonyl ureas. Mention two drugs which could interact with sulfonyl ureas.

SHORT ESSAY

10 X 5 = 50 Marks

3. Topical anti fungal drugs.
4. Mentrionidazole.
5. Oral rehydration therapy.
6. Alkylating drugs.
7. Third generation Cephalosporins.
8. Radioactive iodine.
9. Fexofenadine.
10. Adverse effects of glucocorticoids.
11. β lactamase inhibitors.
12. Omeprazole.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Why cotrimoxazole is not used in pregnancy-explain.
14. Mention two drugs used in Anaerobic infection.
15. Iodophores.
16. Name four Anti tussives.
17. Define ecbolics. Mention two ecbolics.
18. Carbolic acid(phenol).
19. Name four chelating agents.
20. Mention four water soluble vitamins.
21. Interferons.
22. Serratiopeptidase.

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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 antiepileptic drugs. Describe the mechanism of action and adverse effects of phenytoin.
2. Classify anti anginal agents. Describe the mechanism of action, adverse effects and uses of nitrates.

SHORT ESSAY

10 X 5 = 50 Marks

3. Drug antagonism..
4. Methods of prolongation of drugs.
5. Cyclooxygenase-II inhibitors.
6. Pre anesthetic medications.
7. Therapeutic uses and adverse effects of high efficacy diuretics.
8. Centrally acting skeletal muscle relaxants.
9. Treatment of paroxysmal supra ventricular tachycardia.
10. Drugs used in hypertensive emergencies.
11. Spirinolactone.
12. Low molecular weight heparins-advantages and disadvantages.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Plasma half life.
14. Tachyphylaxis.
15. Ketamine.
16. Therapeutic uses of diazepam.
17. Anorectics.
18. Drugs used in benign hypertrophic enlargement of prostate.
19. Prostaglandins analogues in glaucoma.
20. Succinyl choline.
21. Mention three indication and contraindication for morphine.
22. Parenteral iron preparations.

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PHARMACOLOGY– PAPER II

Q.P Code : SDUU-112

Your answers should be specific to the questions asked.

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify penicillins. Discuss briefly the mechanism of action of penicillins. Discuss the pharmacokinetic properties and therapeutic uses of aminopenicillins.
2. Classify Anti-thyroid drugs. Discuss the mechanism of action of different groups of antithyroid drugs. Outline the management of thyrotoxicosis.

SHORT ESSAY

10 X 5 = 50 Marks

3. Management of chloroquine resistant malaria.
4. Agents lowering serum lipids.
5. Newer insulins.
6. Antitussives.
7. Discuss the drugs used in HIV Infection.
8. Lepa reaction and its management.
9. Therapeutic uses of glucocorticoids.
10. Bisphosphonates.
11. Multidrug resistant tuberculosis.
12. Mechanism of action and therapeutic uses of metronidazole.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Superinfection and its management.
14. Discuss the causes of failure of antimicrobial therapy.
15. Minipill.
16. Octreotide and its uses.
17. Compare the drugs alginic acid and sucralfate.
18. Methotrexate.
19. Therapeutic uses and adverse effects of nitrofurantoin.
20. Clarithromycin.
21. Topical antifungal drugs.
22. Permethrin.