

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – July-2012

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY– PAPER I

Q.P Code : 111 - SDUU

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify antiepileptic drugs. Describe the mechanism of action, therapeutic application of newer antiepileptic drugs.
2. Classify hypolipidemic drugs. Write the mechanism of action, adverse effect and uses of statins.

SHORT ESSAY

10 X 5 = 50 Marks

3. Therapeutic uses of atropine.
4. Low molecular weight heparin.
5. Selective cox-2 inhibitors
6. Nitrates in angina.
7. Phase II metabolic reactions.
8. Selective serotonin reuptake inhibitors.
9. Define pharmacogenetics with examples.
10. Therapeutic uses of morphine.
11. Drugs used in glaucoma.
12. Pre anaesthetic medications.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Mention three nasal decongestants.
14. Mention two indications and two contraindications for beta blockers.
15. Spironolactone– mechanism of action.
16. Treatment of anaphylactic shock.
17. Mention the drugs used in malignant hyperthermia and its uses.
18. Mention three advantages of intravenous route of administration.
19. First pass effect.
20. Mention four clinical uses of adrenaline.
21. Name four drugs obtained from plant sources.
22. Mention antihypertensive drugs used in pregnancy.

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PHARMACOLOGY– PAPER II

Q.P Code : 112- SDUU

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify antimalarial drugs. Write the mechanism of action, adverse effects and uses of chloroquine.
2. Classify oral hypoglycaemic drugs. Write the mechanism of actions, adverse effects of sulfonylureas.

SHORT ESSAY

10 X 5 = 50 Marks

3. Metronidazole
4. Proton pump inhibitors
5. Selective estrogen receptor modulators
6. Ivermectin
7. Nucleoside reversetranscriptase inhibitors
8. Oxytocin
9. Common properties of aminoglycosides
10. Therapeutic uses of progestins
11. Cotrimoxazole
12. Mechanism of action and adverse effects of rifampicin

SHORT ANSWERS

10 X 3 = 30 Marks

13. Ketoconazole
14. D. penicillamine
15. Treatment of hepatic amoebiasis
16. Azithromycin
17. Vinca alkaloids
18. Adverse effects of ciprofloxacin
19. Penicillinase inhibitors
20. Calcitonin
21. Clomiphene citrate
22. Potassium permanganate

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LONG ESSAY

2 X 10 = 20 Marks

1. Classify antiepileptic drugs. Write the pharmacological actions, adverse effects and therapeutic uses of phenytoin.
2. Mention the various routes of drug administration giving suitable examples. Write the advantages and disadvantages of intravenous route of administration.

SHORT ESSAY

10 X 5 = 50 Marks

3. Therapeutic uses and adverse effects of morphine
4. Therapeutic uses of α -blockers
5. Calcium channel blockers
6. Pharmacotherapy of glaucoma
7. D-tubocurarine
8. Mechanism of action and therapeutic uses of heparin
9. Loop diuretics
10. Bio-availability
11. Treatment of organophosphorus compound poisoning
12. Advantages of selective COX-2 inhibitors over non-selective ones

SHORT ANSWERS

10 X 3 = 30 Marks

13. Pharmacotherapy of myasthenia gravis
14. Therapeutic uses and adverse effects of fibrinolytic agents
15. Placebo
16. Drugs used in hypertensive crisis
17. Lithium
18. Flumazenil
19. Therapeutic uses of dopamine
20. Selegiline
21. Rationale of using low dose aspirin in myocardial infarction
22. Treatment of digitalis toxicity

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PHARMACOLOGY – PAPER II

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LONG ESSAY

2 X 10 = 20 Marks

1. Name the tetracyclines. Discuss the mechanism of action, therapeutic uses and adverse effects.
2. Classify corticosteroids. Discuss the mechanism of action, therapeutic uses and adverse effects of hydrocortisone.

SHORT ESSAY

10 X 5 = 50 Marks

3. Mefloquine
4. Vinca alkaloids
5. Selective beta-2 stimulants for Asthma
6. Cyclophosphamide
7. Tamoxifen
8. Bisacodyl
9. Antacids
10. Non sedative Anti histamines
11. Dimercaprol
12. Cyclosporine

SHORT ANSWERS

10 X 3 = 30 Marks

13. Omeprazole
14. Zileuton
15. Oxytocin
16. L-asparaginase
17. Ritodrine
18. Sumatriptan
19. Pyridoxine
20. Ethanol as an antiseptic
21. Role of ascorbic acid as a drug
22. Allopurinol