

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-2011

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY – PAPER I

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify antianginal drugs. Write the mechanism of action, adverse effects and therapeutic uses of nitrates.
2. Classify sympathomimetic agents. Write the pharmacological actions, adverse effects and therapeutic uses of adrenaline

SHORT ESSAY

10 X 5 = 50 Marks

3. Biotransformation
4. Drug antagonism with examples
5. Treatment of Barbiturate poisoning
6. Classify local Anaesthetics and write their mechanism of action
7. Enumerate Atypical Antipsychotics and mention their therapeutic uses.
8. Pharmacotherapy of Myocardial infarction
9. Antiplatelet drugs
10. Potassium sparing diuretics
11. Phenytoin
12. Methods of prolong duration of drug action with suitable examples

SHORT ANSWERS

10 X 3 = 30 Marks

13. Treatment of Belladonna poisoning
14. Neostigmine is preferred to physostigmine in myasthenia gravis why?
15. Drugs used in anaphylactic shock
16. Advantages and disadvantages of sublingual routes of drug administration
17. Role of beta – blockers in hypertension
18. Pre anaesthetic medication
19. Rationale of using carbidopa with levodopa in parkinsonism
20. Role of ketamine in anaesthesia and its therapeutic uses.
21. Role of diuretics in CHF
22. Depolarizing neuromuscular blockers.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-2011

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY – PAPER II

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify drugs used in Tuberculosis. Write the mechanism of action and adverse effects of INH. Name the drugs used in the management of Multi Drug Resistant Tuberculosis.
2. Classify drugs used in peptic ulcer. Write the mechanism of action, adverse effects and uses of H₂ receptor antagonists.

SHORT ESSAY

10 X 5 = 50 Marks

3. Severe Anaphylaxis Three drugs responsible and drug management
4. Cytotoxic agents in cancer-general adverse effects and their management
5. Prostaglandins-Indications for use with examples and rationale for use
6. Recombinant insulins v/s conventional insulins (comparison)
7. Thyrotoxic crisis-Drug management with rationale
8. Valaciclovir- mechanism of action, indications for use and comparison with acyclovir.
9. Fluoroquinolones-examples, spectrum, mechanism of action, uses and adverse effects
10. Albendazole – spectrum, mechanism and adverse effects
11. Drugs useful in chronic gout – rationale for use with mechanisms of action
12. Systemic corticosteroids – adverse effects and precautions during their use

SHORT ANSWERS

10 X 3 = 30 Marks

13. Suprainfection with use of antimicrobials-two examples with reasons for the problem
14. Sumatriptan-indications for use, mechanism of action, adverse effects
15. Metronidazole and other Nitro-imidazoles
16. L-Asparaginase-mechanism of action, indications for use and adverse effects
17. Glipizide v/s metformin in management of type II diabetes mellitus
18. Emergency contraception-drugs useful, dosage schedule and rationale for use
19. Tamoxifen-uses, mechanism and adverse effects
20. Azithromycin-spectrum, uses dosage schedule
21. Mifepristone- mechanism of action, uses and adverse effects
22. Mechanism of action of Dimercaprol.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-2011

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY – PAPER I

Q.P Code : 111

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify the drugs used in treatment of congestive cardiac failure, Describe the pharmacological actions, adverse effects and uses of digitalis.
2. Classify the opioid analgesics. Describe the pharmacological actions and uses of morphine.

SHORT ESSAY

10 X 5 = 50 Marks

3. Uses of diazepam
4. Lidocaine
5. Neuro Lept- Analgesia
6. Drug synergism
7. Bio availability
8. Drug treatment of Glaucoma
9. Selective serotonin reuptake inhibitors
10. Treatment of Organo phosphorous compound poisoning
11. Dopamine
12. Low molecular weight heparins

SHORT ANSWERS

10 X 3 = 30 Marks

13. Uses of Furosemide
14. Edrophonium test
15. Name three parenteral iron preparations
16. Name three fibrinolytic agents with their mechanism of action
17. Name three uses of Angiotensin converting Enzyme inhibitors
18. Dextran
19. Adrenaline is the drug of choice in anaphylactic shock – give reasons.
20. First dose phenomenon
21. Dale's vasomotor reversal
22. Uses of carbamazepine

* * *

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - II Degree Examination – January-2011

Time : 3 Hrs.

[Max. Marks : 100]

PHARMACOLOGY – PAPER II

Q.P Code : 112- SDUU

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate the Aminoglycoside antibiotics. Explain the mechanism of action adverse effects, and uses of Gentamicin
2. Classify the drugs used for the treatment of peptic ulcer. Explain the mechanism of action and uses of proton pump inhibitors.

SHORT ESSAY

10 X 5 = 50 Marks

3. Pioglitazone
4. Amphotericin-B
5. Lepra reaction
6. Leukotriene antagonists
7. Beta lactamase inhibitors
8. Anti-D immunoglobulin
9. Methotrexate
10. Mucolytics
11. Ondansetron
12. Super infection

SHORT ANSWERS

10 X 3 = 30 Marks

13. Advantages of amoxicillin over ampicillin
14. Mini pill
15. Sumatriptan
16. Finasteride
17. Adverse effects of tetracyclines on bone and teeth
18. Rationale behind use of iodides pre operatively in hyper thyroidism
19. Rationale in preferring ranitidine over cimetidine
20. Allopurinol in chronic gout
21. Rationale of using tamoxifen in breast cancer
22. Mention three chelating agents with one use for each.