

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

M.B.B.S Phase-II Degree Examination JAN 2020

Time:3 hours

Max Marks:100

PHARMACOLOGY- PAPER 1

Your answer should be specific to the question asked

Draw neat and labeled diagrams wherever necessary

LONG ESSAY

2 X 10 = 20 Marks

1. Classify non steroidal antiinflammatory drugs (NSAIDs). Explain the mechanism of action , uses and adverse effects of paracetamol (4+2+2+2)
2. List drugs used in hypertension. Explain mechanism of action, uses and adverse effects of lisinopril (4+2+2+2)

SHORT ESSAY

10 X 5 = 50 Marks

3. List two centrally acting muscle relaxants. Explain their mechanism of action and uses (1+2+2)
4. Mention reversible cholinesterase inhibitors and their uses (1+4)
5. List the opioid receptors. Explain the uses and contraindications to morphine (1.5+1.5+2)
6. Explain the mechanism of action of any five group of diuretics (5)
7. Explain the intrathecal route of drug administration with two examples and their uses (2+3)
8. Mention the antiplatelet agents from different groups with their mechanism of action (5)
9. List the beta blockers and their uses (1+4)
10. Explain five factors affecting drug action with drug examples (5)
11. Explain the mechanism of action and adverse effects of cardiac glycosides (2+3)
12. List advantages and disadvantages of halothane(5)

SHORT ANSWERS

10 X 3 = 30 Marks

13. Mention three drugs which should not be withdrawn abruptly
14. Define therapeutic index and mention two drugs with low therapeutic index
15. Explain the mechanism of action and write one use and one specific adverse effect of allopurinol
16. Mention three class I drugs used in arrhythmia
17. Mention any three phases of clinical trial
18. Explain mechanism of action, one use and one adverse effect of atorvastatin
19. List three uses and three adverse effects of phenytoin
20. Explain mechanism of action, write one use and one adverse effect of heparin
21. List three atypical antipsychotics with three advantages over conventional antipsychotics
22. Mention three drugs used in acute attack of myocardial infarction and explain their basis for use

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

M.B.B.S Phase-II Degree Examination JAN 2020

Time:3 hours

Max Marks:100

PHARMACOLOGY- PAPER 2

Your answer should be specific to the question asked

Draw neat and labeled diagrams wherever necessary

LONG ESSAY

2 X 10 = 20 Marks

1. List drugs used in the treatment of malaria. Explain the mechanism of action, adverse effects and uses of chloroquine (4+2+2+2)
2. Explain the uses and adverse effects of glucocorticoids (6+4)

SHORT ESSAY

10 X 5 = 50 Marks

3. Explain the mechanism of action, uses and adverse effects of doxycycline (2+2+1)
4. Explain the mechanism of action, uses and adverse effects of echinocandins (2+2+1)
5. Explain the mechanism of action, uses and adverse effects of clomiphene citrate (2+1.5+1.5)
6. Mention uses and adverse effects of third generation cephalosporins (3+2)
7. Mention thyroid preparations. Explain the treatment of myxoedema coma with the rationale for use of each drug (1+4)
8. Explain the mechanism of action, uses and adverse effects of metoclopramide (2+2+1)
9. List first generation antihistaminics and write their uses and adverse effects (2+2+1)
10. Explain mechanism of action and list three clinically used sulfonamides with one use for each (2+3)
11. Mention two drugs used in post partum haemorrhage. Explain their mechanism of action and adverse effects(1+3+1)
12. Explain the mechanism of action of any five categories of drugs used in prophylaxis of bronchial asthma (5)

SHORT ANSWERS

10 X 3 = 30 Marks

13. Mention the three first line drugs used in tuberculosis with their dosage schedule
14. Mention three clinical conditions where albendazole is used
15. Mention three drugs used in osteoporosis
16. Mention three drug interactions with aminoglycosides
17. Mention two sulfonylureas and write the mechanism of action
18. List three osmotic purgatives and write three uses
19. Explain mechanism of action and two uses of polymyxin B
20. Mention the drug used in children with scabies. Explain the rationale and mention the route of administration
21. Explain the mechanism of action and write two uses of pantoprazole
22. List three uses and three adverse effects of cyclophosphamide

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

M.B.B.S Phase-II Degree Examination JAN 2020

Time:3 hours

Max Marks:100

PHARMACOLOGY- PAPER 1

Your answer should be specific to the question asked Draw neat and labeled diagrams wherever necessary

LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. List opioid agonists and antagonists. Explain uses and contraindications of morphine (3+3+4)
2. List drugs used in hypertension. Explain mechanism of action, uses and adverse effects of lisinopril (4+2+2+2)
3. Enumerate anticholinergic drugs. Explain their uses and adverse effects (4+4+2)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Enumerate centrally acting anticholinergics. Explain the rationale for their use in parkinsonism and list their adverse effects (1+2+2)
5. Explain the mechanism of action and drug treatment of digoxin overdose with justification (2+3)
6. Explain the mechanism of action, uses and contraindications to propranolol (1+2+2)
7. List the advantages and disadvantages of oral route and intramuscular route of drug administration with examples (2.5+2.5)
8. Mention three antiplatelet agents from different groups with their mechanism of action and uses (1.5+1.5+2)
9. Explain orders of kinetics with examples (5)
10. Explain mechanism of action of botulinum toxin, dantrolene and succinylcholine with their uses (1.5+2+1.5)
11. Enumerate the class III antiarrhythmics, explain the mechanism of action of any one drug and its uses (2+2+1)
12. Explain the uses and adverse effects of sodium valproate and gabapentin (3+2)
13. Explain mechanism of action, uses and adverse effects of diazepam (1.5+2+1.5)
14. Mention fixed dose combinations with the advantages and disadvantages (1+2+2)
15. Explain the mechanism of action, uses and adverse effects of streptokinase (2+2+1)

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. List three drugs used in the treatment of gout and explain their mechanism of action.
17. Explain mechanism of action and write two uses of spironolactone
18. Explain mechanism of action, one use and one adverse effect of gemfibrozil
19. Mention three drugs contraindicated in liver failure with one use for each
20. Mention three low molecular weight heparins and write three advantages over heparin
21. List three plasma expanders and write three uses
22. Mention one drug which stimulate guanylylcyclase with one use and one adverse effect of the drug
23. Mention three differences between halothane and ketamine
24. Mention any three phases of clinical trial
25. Explain the mechanism of action and one use of desferrioxamine

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

M.B.B.S Phase-II Degree Examination JAN 2020

Time:3 hours

Max Marks:100

PHARMACOLOGY- PAPER 2

Your answer should be specific to the question asked

Draw neat and labeled diagrams wherever necessary

LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Explain general properties of aminoglycosides. Explain mechanism of action, uses and adverse effects of tobramycin (4+2+2+2)
2. Explain the uses and adverse effects of glucocorticoids (6+4)
3. Classify drugs used in tuberculosis. Explain the mechanism of action, uses and adverse effects of isonicotinic acid hydrazide (INH). (4+2+1+3)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Explain the mechanism of action, uses and adverse effects of itraconazole (2+2+1)
5. Explain the therapeutic uses and adverse effects of chloroquine (3+2)
6. Explain the mechanism of action, uses and adverse effects of bromocriptine (1+2+2)
7. Explain the advantages and disadvantages of antimicrobial combinations with examples (2.5+2.5)
8. Explain the uses and adverse effects of bisphosphonates (3+2)
9. List the drugs used in treatment of acute migraine. Explain the mechanism of action and adverse effects of sumatriptan (2+2+1)
10. Explain the mechanism of action, uses and adverse effects of acyclovir (2+2+1)
11. Explain the mechanism of action and uses of theophylline. Write treatment of theophylline overdose (2+2+1)
12. Explain the mechanism of action and uses of sirolimus (3+2)
13. Explain uses and mention advantages of amoxicillin over ampicillin (3+2)
14. Mention drugs used in diabetic ketoacidosis with their rationale (2.5+2.5)
15. Write the composition of oral rehydration solution (ORS) and explain the rationale for each constituent (2+3)

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Explain the mechanism of action and write two uses of pefloxacin
17. Mention three topically used sulfonamides
18. Explain mechanism of action and list one use and one adverse effect of carbimazole
19. Mention drug regimen used for multibacillary leprosy
20. List three anabolic steroids and their three uses
21. Explain the mechanism of action and two uses of cinnarizine
22. Mention three clinical conditions where albendazole is used
23. Mention three uses of vincristine
24. Mention three drugs used in post partum hemorrhage
25. Mention three drugs of different category used in giardiasis