

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

MBBS Phase II Examination June 2023

Time : 150 Minutes

MaxMarks : 80 Marks

Pharmacology Paper I QP Code C2061

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

Long Essay

10 x 2 = 20 Marks

1. A male patient aged 60 years was brought to medicine department, he had history of trembling in hands, arms and stiffness in limbs, he also told that he was walking very slowly for the past one month and would lose balance now and then. Examination revealed resting tremors in hands, muscle rigidity, he was not able to button his shirt, walking was slow with short steps. a. Write the diagnosis-----1 b. Mention different category of drugs that can be used in patient -----4 c. Explain the mechanism of action three different category of drugs mentioned in (b)---3 d. Mention the two different category of drugs which can manifest with the symptoms described in the scenario -----2
2. Define bioavailability. Explain the drug and patient factors affecting bioavailability with examples (1+3+6)

Short Essay

5 x 12 = 60 Marks

3. Explain the mechanism of action, uses and adverse effects of acetazolamide (1.5+2+1.5)
4. Explain the mechanism of action, uses and adverse effects of pancuronium (1+2+2)
5. Explain the differences between timolol and tamsulosin (5)
6. Explain the mechanism of action, uses and adverse effects of fibrates (2+1.5+1.5)
7. Explain the pharmacological actions of atropine and list three clinical conditions where atropine is given intravenously (3.5+1.5)
8. Define empathy, apathy and sympathy. Explain three components of empathy (3+2)
9. Explain the uses and adverse effects of nitrates (3+2)
10. Enumerate the drugs blocking renin angiotensin aldosterone system. Explain the uses and adverse effects of ramipril (2+3)
11. List four drugs from different groups used as preanaesthetic medication and explain the rationale for their use (1+4)
12. Explain mechanism of action of lignocaine and explain the basis for combining adrenaline with lignocaine (2+3)
13. Mention three antiplatelet agents from different groups. Explain their mechanism of action and uses (1.5+1.5+2)
14. Explain the mechanism of action and list uses and adverse effects of carbamazepine (1.5+2+1.5)

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

MBBS Phase II Examination June 2023

Time: 150 Minutes
Marks

MaxMarks: 80

Date: 16-06-2023

Pharmacology Paper II QP Code C2062

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

Long Essay **10 × 2 = 20 Marks**

1. Classify hormonal contraceptives. Explain mechanism of action, other uses and contraindications to combined contraceptive pill (4+2+2+2)
2. Classify fluoroquinolones. Explain the mechanism of action, uses and adverse effects of ofloxacin (3+2+3+2)

Short Essay **5 × 12 = 60 Marks**

3. Explain the mechanism of action, uses and adverse effects of theophylline (2+2+1)
4. Explain the mechanism of action, uses and adverse effects of erythromycin (2+2+1)
5. Mention betalactamase inhibitors with their combinations and list their clinical uses (3+2)
6. Classify drugs used in treatment of peptic ulcer and explain mechanism of action of any two group of drugs (3+2)
7. Explain general adverse effects caused by cancer chemotherapeutic agents (5)
8. Explain the mechanism of action and adverse effects of dapsone. Write the treatment for leproreactions (2+1+2)
9. Explain the mechanism of action, uses and adverse effects of cyclosporine (2+2+1)
10. Explain the mechanism of action, uses and adverse effects of lugol's iodine (2+1.5+1.5)
11. List four tocolytic agents and write their mechanism of action (1+4)
12. Mention four drugs from different category used to treat Human Immuno Deficiency Virusinfections. Explain their mechanism of action (1+4)
13. Explain the mechanism of action, uses and adverse effects of itraconazole (2+2+1)
14. Explain mechanism of action, uses and adverse effects of loratadine (2+2+1)

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-II Degree examination June 2023

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 the opioid analgesics. Explain the uses and explain contraindications to morphine (3+4+3)
2. Classify anticholinergic drugs. Explain the uses, adverse effects and contraindications to atropine (4+2+2+2)

SHORT ESSAY

10 X 5 = 50 Marks

3. Enumerate four benzodiazepines, list the uses and adverse effects of diazepam (2+1.5+1.5)
4. List three drugs from different groups used in hyperlipidaemia and write their uses and adverse effects (1.5+1.5+2)
5. Mention reversible cholinesterase inhibitors and their uses (1+4)
6. Enumerate angiotensin receptor blockers. List their uses and adverse effects (1.5+2+1.5)
7. Explain the term tolerance, toxicity, teratogenicity, side effect and photosensitivity with one example for each (1+1+1+1+1)
8. List the uses of Sympathomimetics (5)
9. Explain mechanism of action, uses and drug interactions of warfarin (1.5+1.5+2)
10. Explain the mechanism of action, uses and adverse effects of ketamine (1+2+2)
11. Explain the mechanism of action, uses and adverse effects of nitrates (1.5+2+1.5)
12. Explain the intrathecal route of drug administration with two examples from different categories and their uses (2+3)

SHORT ANSWERS

10 X 3 = 30 Marks

13. Mention three alpha blockers used in benign hypertrophy of prostate
14. Explain the rationale for combining hydralazine with a beta blocker
15. Mention three drugs contraindicated in pregnancy
16. Explain the treatment of tricyclic antidepressant overdose
17. List three nasal decongestants
18. Mention three uses and three adverse effects of propofol
19. Explain mechanism of action, one use and one specific adverse effect of furosemide
20. Write the treatment for acute iron poisoning
21. Mention three drugs which should not be combined with pancuronium
22. List three advantages and three disadvantages of fixed dose combinations

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-II Degree examination June 2023

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 the antimicrobials that inhibit protein synthesis. Mention the general properties, uses and adverse effects of aminoglycosides (2+3+3+2)
2. Classify drugs used in hyperthyroidism. Explain mechanism of action of propylthiouracil and radioactive iodine. List advantages of radioactive iodine (4+2+2+2)

SHORT ESSAY

10 X 5 = 50 Marks

3. Explain the non-endocrinal uses of glucocorticoids (5)
4. List the differences between griseofulvin and fluconazole (5)
5. Write the composition of oral rehydration solution (ORS) and explain the rationale for each constituent (2+3)
6. Explain mechanism of action, uses and adverse effects of cetirizine (2+2+1)
7. Explain the uses and adverse effects of cyclosporine (3+2)
8. Explain the mechanism of action, uses and adverse effects of theophylline (2+2+1)
9. Explain the mechanism of action, uses and adverse effects of vincristine (2+2+1)
10. List aromatase inhibitors. Explain their uses and adverse effects (1+2+2)
11. Explain the mechanism of action, uses and adverse effects of granisetron (2+2+1)
12. Explain the mechanism of action, uses and adverse effects of isoniazide (2+1.5+1.5)

SHORT ANSWERS

10 X 3 = 30 Marks

13. Mention three macrolides and write three therapeutic uses of one of them
14. Mention three drugs from different groups used in the treatment of constipation with their mechanism of action
15. List three differences between carbimazole and radioactive iodine
16. Mention three drugs used in psoriasis with their mechanism of action
17. Explain mechanism of action and two adverse effects of salbutamol
18. Explain the drug treatment for severe migraine
19. Explain the mechanism of action and write two uses of gemifloxacin
20. Mention three newer insulin delivery devices
21. Explain three uses of esomeprazole
22. Mention three nucleoside reverse transcriptase inhibitors