

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

M B B S Phase II Supplementary Examinations, May 2024

Time: 180 Minutes

Max Marks: 80 Marks

Pharmacology P- I

QP CODE: C2061

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

Long Essay 10 × 2 = 20 Marks

1. List the adrenergic agonists. Explain the pharmacological actions and clinical uses of adrenaline (3+4+3)
2. Enumerate the drugs used in epilepsy. Explain the uses of phenytoin and sodium valproate (4+3+3)

Short Essay 5 × 12 = 60 Marks

3. Define drug interaction and tolerance. Why tetracyclines should not be consumed with milk? Explain (2+3)
4. Explain Pharmacogenetics with five examples (5)
5. Explain the differences between atropine and phenylephrine (5)
6. Explain the mechanism of action and write two uses of botulinum toxin, dantrolene sodium and mivacurium (2+1.5+1.5)
7. Enumerate the drugs blocking renin angiotensin aldosterone system. Explain the uses and adverse effects of ramipril (2+3)
8. Explain the uses and adverse effects of nitrates (3+2)
9. List drugs used in hyperlipidaemia. Explain mechanism of action and adverse effects of fibrates (2+1.5+1.5)
10. Explain the mechanism of action, uses and adverse effects of thiazides (1+2+2)
11. List four antiplatelet drugs from different groups and explain their mechanism of action (1+4)
12. Explain uses and adverse effects of diazepam (3+2)
13. Enumerate the opioid antagonists. Write their mechanism of action and uses (1+2+2)
14. Define pity, sympathy and compassion. Explain the significance of communication with family member of a sick patient (3+2)

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Long Essay 10 × 2 = 20 Marks

1. Classify oral antidiabetic drugs. Explain mechanism of action, uses and adverse effects of glibenclamide (4+2+1+3)
2. List the beta lactam antibiotics. Explain the mechanism of action, uses and adverse effects of third generation cephalosporins (4+2+2+2)

Short Essay 5 × 12 = 60 Marks

3. Explain the differences between carbimazole and radioactive iodine (5)
4. Explain the measures to reduce hypothalamopituitary axis suppression with glucocorticoids. List the adverse effects of glucocorticoids (3+2)
5. Explain the mechanism of action, uses and adverse effects of chloramphenicol (2+2+1)
6. Explain the mechanism of action, adverse effects of dapsone and clofazimine (2.5+2.5)
7. Explain the mechanism of action, therapeutic uses and adverse effects of artesunate (2+2+1)
8. Explain the mechanism of action, uses and adverse effects of ganciclovir (2+2+1)
9. Explain the measures and drugs used to reduce toxicity due to anticancer drugs (5)
10. Explain the mechanism of action, uses and adverse effects of ondansetron (2+2+1)
11. Explain the mechanism of action of any three group of drugs used in bronchial asthma. Write the instructions for the use of metered dose inhaler (3+2)
12. List four biological modifiers used in the treatment of rheumatoid arthritis. Explain their mechanism of action (1+4)
13. Explain the mechanism of action, uses and adverse effects of cyclosporine (2+2+1)
14. Mention five nutritional supplements with one use for each (1+1+1+1+1)