

**BLDE UNIVERSITY**  
**MBBS PHASE - II EXAMINATION**

Time : 3 Hours]

[Max.Marks : 100]

**PHARMACOLOGY – PAPER - I**

**QP CODE : 2005**

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

**Long Essay: (Answers to be started on fresh page only)**

**2x10=20**

1. Classify  $\beta$  blockers. Discuss the pharmacological actions, therapeutic uses and adverse effects of Propranolol.
2. Enumerate drugs used for congestive cardiac failure. Discuss the mechanism of action, therapeutic uses and adverse effects of Digoxin.

**Short Essay: (Answers to be started on fresh page only)**

**10x5=50**

3. Discuss the methods for prolonging drug action.
4. Explain the receptor antagonism with examples.
5. Explain the therapeutic uses of anticholinesterase.
6. Discuss the treatment of atropine poisoning.
7. Write a short note on preanaesthetic medication
8. Discuss the advantages of benzodiazepines over barbiturates as hypnotic.
9. Phenytoin Sodium – Mechanism of action and therapeutic uses
10. List the ACE inhibitors. Mention its therapeutic uses and adverse effects.
11. Discuss briefly about HMG COA reductase inhibitors.
12. Mention the mechanism of action and adverse effects of furosemide

**Short Answers: (Leave three lines gap between the answers)**

**10x3=30**

13. Define Pharmacovigilance.
14. Define tachyphylaxis with examples.
15. Explain Dale's vasomotor reversal phenomenon.
16. Enumerate three vasoselective drugs.
17. List three therapeutic uses of morphine.
18. Mention three therapeutic uses of ethanol.
19. Explain Nitrate tolerance.
20. Name three angiotensin receptor blocking drugs.
21. Mention three adverse effects of heparin.
22. List three therapeutic uses of mannitol.

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**Long Essay: (Answers to be started on fresh page only)**

**2x10=20**

1. List the drugs used in tuberculosis. Write the mechanism of action, uses and adverse effects of rifampicin.
2. Classify drugs used in diabetes mellitus. Write mechanism of action, uses and adverse effects of regular insulin

**Short Essay: (Answers to be started on fresh page only)**

**10x5=50**

3. List the non-hormonal uses and adverse effects of prednisolone
4. Write the mechanism of action, uses and adverse effects of omeprazole
5. Write mechanism of action, uses and adverse effects of acyclovir
6. List the drugs used in prophylaxis of bronchial asthma with their mechanism of action
7. Write the mechanism of action, uses and adverse effects of cyclosporine
8. List the uses and adverse effects of third generation cephalosporins
9. Write the mechanism of action, uses and adverse effects of metronidazole
10. Write the mechanism of action, uses and adverse effects of chloroquine
11. Write the mechanism of action, uses and adverse effects of methotrexate
12. List the prostaglandin analogues and write their therapeutic uses

**Short Answers: (Leave three lines gap between the answers)**

**10x3=30**

13. Mention three chelating agents with one specific use for each
14. List three advantages and disadvantages of radioactive iodine
15. Write the mechanism of action and two uses of cetirizine
16. Write the mechanism of action and two uses of tamoxifen.
17. Mention two different drugs which relax the uterus and write one use
18. Ondansetron-- mechanism of action and two uses
19. Allopurinol- mechanism of action and use
20. Albendazole –mechanism of action and two uses
21. L-asparaginase –mechanism of action and use
22. Mention three specific conditions where vaccines are useful