

July-2018

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. Write pharmacological actions, therapeutic uses and contraindications to beta blockers.
2. Enumerate the distinguishing features of inhalational and intravenous anesthetics. Add a note on preanesthetic medication.

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

10x5=50

3. Oral anticoagulants – Mechanism of Action and Drug interactions.
4. Phenytoin Sodium– Mechanism of action and adverse effects.
5. Plasma expanders – Pharmacological characters and Therapeutic uses.
6. Potassium sparing diuretics- Mechanism of action and therapeutic uses.
7. Selective serotonin reuptake inhibitors - Mechanism of action, therapeutic uses and adverse effects.
8. Cardiac glycosides- Mechanism of action, therapeutic uses and adverse effects.
9. Factors influencing drug absorption.
10. Merits and demerits of intravenous route of drug administration.
11. Captopril - Mechanism of action, therapeutic uses and adverse effects.
12. Write uses and adverse effects of d-tubocurarine.

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

10x3=30

13. Three clinical uses of ethyl alcohol.
14. Three Central anticholinergics drugs and their three therapeutic uses.
15. Define Pharmacovigilance and give its importance.
16. Write pharmacological basis of use of low dose aspirin in post myocardial infarction.
17. Name six Dopaminergic agonists useful in parkinsonism.
18. Write mechanism of action of Local hemostatics.
19. Write pharmacological basis for adrenaline and lignocaine combination in local anaesthesia.
20. What is Naloxone? Give its two important therapeutic use.
21. Define Therapeutic index. Give two drug with narrow therapeutic index and two drugs with wide Therapeutic index
22. What is Nitrate tolerance? How can it be avoided?

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PHARMACOLOGY – PAPER – I
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Long Essay: (Answers to be started on fresh page only)

2x10=20

1. Define biotransformation of drugs. Write about the phase – I and phase – II reactions of biotransformation with examples.
2. Classify beta adrenergic blockers. Explain the pharmacological basis for their therapeutic uses. Mention their adverse effects.

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

10x5=50

3. Define the terms agonist, antagonist and partial agonist with examples.
4. Enumerate atropine substitutes and their respective uses.
5. Atracurium.
6. Mechanism of action and Adverse effects of levodopa.
7. Mechanism of action and uses of sodium valproate.
8. Selective serotonin reuptake inhibitors.
9. Advantages and disadvantages of ketamine.
10. Differences between loop diuretics and thiazide diuretics.
11. Therapeutic uses of angiotensin converting enzyme (ACE) inhibitors with rationale.
12. Low molecular weight heparins and their advantages.

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

10x3=30

13. Define Pro-drug. Name two pro-drugs.
14. Three Contraindications to use of Morphine.
15. Adverse effects of spinal anaesthesia.
16. Enumerate the uses of diazepam.
17. Rationale of using nitrates in angina pectoris.
18. Name three drugs useful in Atrial fibrillation.
19. Therapeutic uses of erythropoietin.
20. Role of spironolactone in congestive heart failure.
21. Nicorandil-Mechanism of action.
22. Verapamil should not be given with beta-blockers. Why?

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PHARMACOLOGY – PAPER - II

QP CODE: 2006

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Write Question No. in left side of margin.

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

2x10=20

1. Classify anti-malarial drugs. Write mechanism of action, therapeutic uses and adverse effects of chloroquine.
2. Classify anti-thyroid drugs. Discuss the mechanism of action and rational for use of Lugol's iodine in thyrotoxisis.

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

10x5=50

3. Proton pump inhibitors
4. Classify histamine receptors. Write in detail of H1 receptor antagonists.
5. Classify Antiemetics and write their therapeutic uses.
6. Enumerate the drugs used in bronchial asthma. Write in detail about the management of Status asthmaticus.
7. Oxytocin – Mechanism of action and Therapeutic uses.
8. Newer insulin preparations.
9. Third generation cephalosporins.
10. Write the therapeutic uses and adverse effects of corticosteroids.
11. Drugs used in failariasis. Write about its prophylaxis.
12. Alkylatins drugs - Mechanism of action and adverse effects.

Answers: (Leave three lines gap between the answers)

10x3=30

13. Name three Imidazole antifungal agents for systemic use.
14. DOTs.
15. Three Anti influenza drugs.
16. Adverse effects of aminoglycosides.
17. Cholecalciferol - Mechanism of action and Two Therapeutic uses.
18. D-penicillamine - Mechanism of action and Two Therapeutic uses.
19. BCG- Three Therapeutic uses.
20. Three Therapeutic uses of Prostaglandines.
21. Colchicine - Mechanism of action and one important adverse effect

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PHARMACOLOGY – PAPER – II

QP CODE: 2016

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

2x10=20

1. Classify penicillins. Write their mechanism of action, uses and adverse effects of Benzyl penicillin.
2. Classify anti-thyroid drugs. Write the mechanism of action and uses of carbimazole. Add a note on radioactive iodine.

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

10x5=50

3. Insulin analogues.
4. Combined pills for contraception. Write their mechanism of action and adverse effects.
5. Enumerate selective cyclooxygenase-2 inhibitors. Write their advantages and disadvantages.
6. Domperidone.
7. Erythromycin: mechanism of action and uses.
8. Metronidazole: mechanism of action and uses.
9. Retroviral protease inhibitors.
10. Treatment regimen for category – I patient of tuberculosis. Why is pyridoxine added to the regimen?
11. Osmotic purgatives.
12. Second generation anti-histamines.

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

10x3=30

13. Three Drugs used in Pharmacotherapy of status asthmaticus.
14. Name three the uterine relaxants and their indications.
15. Name three topical steroids and three dermatologic indications for their use.
16. Chlorhexidine.
17. Diethylcarbamazine-Mechanism of action and therapeutic use.
18. Enumerate vinca alkaloids and write three indications for their use.
19. Name three drugs useful for the treatment of cytotoxic drug toxicity.
20. Fluconazole-Three therapeutic uses.
21. Three drugs useful for treatment of hypercalcemia.
22. Sucralfate-Mechanism of action and therapeutic use.