

PG Degree  
October - 2025

**BLDE (DEEMED TO BE UNIVERSITY)  
POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

**MD PHARMACOLOGY – PAPER - I  
QP CODE: 5021**

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 the middle of the page

**Long Essay**

**(2x20=40 Marks)**

1. Describe the therapeutic drug monitoring. What are the methods of analysis for it? Discuss clinical importance with clinically relevant examples.
2. Describe experimental evaluation methods for anti-diabetic drugs.

**Short Essay**

**(6x10=60 Marks)**

3. Ethnopharmacology
4. Factors determining the route of drug administration
5. Meta-analysis
6. Fixed dose combinations banned recently with reasons
7. Causality assessment of adverse drug reactions
8. Plasma protein binding and its clinical significance

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**MD PHARMACOLOGY – PAPER - II**

**QP CODE: 5022**

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 the middle of the page

**Long Essay**

**(2x20=40 Marks)**

1. Pharmacotherapy of congestive heart failure.
2. Anti-parkinsonian drugs.

**Short Essay**

**(6x10=60 Marks)**

3. Pharmacological considerations of muscarinic cholinergic transmission in the ANS.
4. Pharmacotherapy of depression.
5. 5-HT receptor Antagonists.
6. List the drugs used in hypertensive emergencies. Explain their mechanism of actions and adverse effects.
7. Vitamin K dependent anticoagulants.
8. Proton pump Inhibitors.

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**MD PHARMACOLOGY – PAPER - III**

**QP CODE: 5023**

Your answer should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

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Write Question No. in the middle of the page

**Long Essay**

**(2x20=40 Marks)**

1. Discuss the Pharmacology of first line drugs used in tuberculosis. Add a note on treatment of MDR-TB.
2. Explain the nonendocrinal uses of Glucocorticoids Add a note on Glucocorticoid synthesis inhibitors.

**Short Essay**

**(6x10=60 Marks)**

3. Discuss the therapeutic application of Atropine and its substitutes.
4. Spinal anaesthesia.
5. Newer antiepileptic drugs.
6. Mechanism of action, therapeutic uses and adverse effects of Thiazide diuretics.
7. Anti-inflammatory agents in bronchial asthma.
8. Antiplatelet drugs.

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**MD PHARMACOLOGY – PAPER - IV**

**QP CODE: 5024**

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 the middle of the page

**Long Essay**

**(2x20=40 Marks)**

1. Discuss the conduct of clinical trials
2. Explain the animal toxicity studies

**Short Essay**

**(6x10=60 Marks)**

3. Drug utilization studies
4. Discuss the drugs for Glaucoma
5. Describe the pharmacokinetic variations in pediatric age group
6. Drugs used in Acne vulgaris
7. Nanomedicine
8. Recent advances in oral antidiabetic agents