

April - 2019

BLDE UNIVERSITY
POST GRADUATE DEGREE EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

MD IN 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 left side of margin.

Long Essay

(2x20=40 marks)

1. Discuss the importance of plasma protein binding with suitable examples
2. Describe the historical aspects in the discovery of general anaesthetics.

Short Essay(Three gaps between answers)

(6x10=60 marks)

3. Reuptake mechanisms
4. Nobel prize in medicine & Physiology
5. Structure- activity relationship of anti- depressants
6. Pharmacogenomics of clopidogrel
7. Replication of virus with sites of action of drugs
8. Pharmacopeias

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[Time : 3 Hours]

[Max.Marks : 100]

MD IN 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 left side of margin.

Long Essay

(2x20=40 marks)

1. Discuss the anti platelet drugs.
2. Enumerate the drugs used in tuberculosis. Describe the management of multi drug resistant tuberculosis.

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Adverse effects of classical anti-psychotics and their management
4. Treatment of Leishmaniasis
5. Management of aluminium phosphide poisoning
6. Laxatives
7. Teripartide
8. SERMs

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MD IN PHARMACOLOGY – PAPER - III

QP CODE : 5023

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

(2x20=40 marks)

1. Describe the screening methods for a molecule that has antihypertensive potential
2. Describe various methods of drug testing for animal toxicity studies.

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Rabbit as an experimental animal
4. Discuss the alternatives to animal experiments
5. Metanalysis
6. Screening models for antianxiety drugs
7. HPLC
8. Biostandardization

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[Time : 3 Hours]

[Max.Marks : 100]

MD IN 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 left side of margin.

Long Essay

(2x20=40 marks)

1. Discuss in detail the phases of drug development and write the protocol for a new anti – hypertensive drug undergoing Phase – II clinical trial.
2. Discuss the concept and principles of ‘P’ drug with suitable examples

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Substance abuse in street children.
4. Liposome based drug delivery system.
5. Role of nutraceuticals in management of diabetes.
6. Clinical Trial Registry of India.
7. Evidence based drug therapy.
8. Surrogate markers.