

10/2010

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 clinical importance of efficacy & potency. Give an example. How do they affect drug action?
2. Discuss TDM of antibiotics with suitable examples

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Ion Channels
4. Enzymes Induction
5. Structure- activity relationship of barbiturates
6. Pharmacogenomics of INH
7. Opioids as a drug of abuse
8. Kinetics of Elimination

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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. Explain the electrophysiology of the heart and the pathophysiology of arrhythmias. Discuss the recent advances in the treatment of cardiac arrhythmias
2. Discuss the recent advances in the pharmacotherapy of mental depression

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Uricosuric agents
4. Non surgical treatment of BPH
5. Haemopoietic growth factors
6. Antiandrogens
7. Folate antagonists as therapeutic agents
8. Anti H - Pylori therapy

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[Time : 3 Hours]

[Max.Marks : 100]

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. Discuss various experimental models and clinical methods used to screen a potential anti – Psychotic drug.
2. Enumerate the methods of bio-assay of Acetylcholine. Describe the experimental details of one of the most sensitive preparations.

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. ELISA use in pharmacological research.
4. Levers in pre-clinical research.
5. Randomization.
6. Obstacles to successive gene therapy.
7. Pre clinical data to be submitted to drug regulatory authorities before Phase I study of new drug.
8. Rat as an experimental animal.

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[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 various phases of drug development
2. Discuss the recent advances in the pharmacotherapy of acute left ventricular failure

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Drug information service
4. DPP – 4 inhibitors
5. ICH – GCP
6. Rationale use of drugs
7. Informed consent process
8. Current strategies in treatment of Malaria