

November-2018

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. Explain Pharmacogenomics. Discuss its role in drug discovery and development.
(10+10= 20 marks)
2. Describe Transmembrane signaling mechanisms with examples.
(12+8= 20 marks)

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. G – Proteins and their role.
4. Novel Drug Delivery Systems.
5. Biopharmaceuticals – Potential Uses.
6. Volume of distribution.
7. Chronopharmacology.
8. Proteins and Peptides as drugs.

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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 in detail about the treatment of hospital – acquired infections. Write briefly about factors causing drug resistance.
2. Discuss in detail about various drugs modulating GABA activity in the brain with clinical implications.

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Neuraminidase inhibitors.
4. Current status of Thalidomide in therapeutics.
5. Discuss the role of corticosteroids in therapeutics. Add a note on special precautions and contraindications.
6. Biological Response Modifiers.
7. Therapeutic potential of Melatonin as neuroprotector.
8. Radioactive isotopes.

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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 evaluation of drugs with antiepileptic potential
2. Define Bioassay. Discuss the criteria for selection of a preparation for Bioassay. Discuss the advantages and limitations of bioassay methods

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Guinea Pig as an experimental animal.
4. Paired t – test
5. Evaluation of Anti peptic ulcer agents
6. Radioimmunoassay
7. Chronic toxicity studies
8. Anesthetic agents used in experimental animals

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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 the recent advances in the treatment of Hepatitis – B virus infection.
2. Discuss briefly about the recent concept of monoclonal antibodies.

Short Essay (Three gaps between answers)

(6x10=60 marks)

3. Treatment of endocrinal emergencies.
4. Explain conflict of interest giving suitable example.
5. Institutional Ethics committee.
6. Spurious drugs.
7. Over the counter (OTC) drugs.
8. Value of a toxicology lab in a hospital.