MD PHARMACOLOGY
PAPER- I
(Revised Scheme)
BASIC AND GENERAL PHARMACOLOGY
Q. P. CODE: 7405

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAYS 2 x 20 = 40 Marks
1. Write in detail the physicochemical factors influencing the transfer of drugs across cell membrane.
2. Discuss the unpredictable adverse drug reactions.

SHORT ESSAYS 6 x 10 = 60 Marks
3. Orphan drugs
4. Drugs receptors in pharmacodynamics
5. Newer drug delivery systems
6. Current concept of drug dependence
7. Standard error
8. Nephrotoxic drugs

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PHARMACOLOGY
SYSTEMIC PHARMACOLOGY - I
PAPER – II (RS)

Q.P. CODE: 7406

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAYS

1. Discuss the pharmacology, therapeutic implications and recent advances in glutamate receptors.
2. Discuss the pathophysiology and recent advances in the treatment of congestive cardiac failure.

2 X 20 = 40 Marks

SHORT ESSAYS

3. Metabolic modulators in ischemic heart diseases
4. Atropine substitutes
5. Anti - anxiety agents
6. Platelet activating factor
7. Endothelins
8. Pharmacotherapy of Inflammatory Bowel Diseases.

6 X 10 = 60 Marks
PHARMACOLOGY
SYSTEMIC PHARMACOLOGY - II
PAPER – III (RS)

Q.P. CODE: 7407

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAYS
2 X 20 = 40 Marks
1. Discuss the recent advances in the pharmacotherapy of Type-II Diabetes Mellitus.
2. Discuss recent advances in the treatment of malaria. Briefly outline the treatment of cerebral malaria.

SHORT ESSAYS
6 X 10 = 60 Marks
3. Neurosteroids
4. Regimes in – antiretroviral therapy
5. Newer β-lactam antibiotics
6. Antiseptics and disinfectants
7. Anti – pseudomonal agents
8. Selective Estrogen Receptor Modulators (SERMs)

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PHARMACOLOGY
CLINICAL PHARMACOLOGY
PAPER – IV (RS)

Q.P. CODE : 7408

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAYS

2 X 20 = 40 Marks

1. Discuss the evolution of Ethical issues in Clinical Research and outline the principles of Declaration of Helsinki.
2. Discuss the methods involved in screening of a potential anti - inflammatory agent.

SHORT ESSAYS

6 X 10 = 60 Marks

3. Phases of clinical trials
4. Pharmacovigilance methods
5. Status of herbal drug research in India
6. Role of biostatistician in clinical research
7. Pharmacology of angiogenesis
8. Academia – Industry interactions in drug development

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