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# Rajiv Gandhi University of Health Sciences, Karnataka Post Graduate Degree Examination - JUNE 2016

Time: Three Hours

Max. Marks: 100 Marks

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

- Write in detail the physicochemical factors influencing the transfer of drugs across cell membrane.
- Discuss the unpredictable adverse drug reactions.

### SHORT ESSAYS

6 x 10 = 60 Marks

- 3. Orphan drugs
- 4. prugs receptors in pirarmacociynamics
- 5. Newer drug delivery systems
- 6. Current concept of drug dependence
- 7. Standard error
- 8. Nephrotoxic drugs

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M.D. Degree Examination - JUNE 2016

[Time: 3 Hours]

[Max. Marks: 100]

## 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

2 X 20 = 40 Marks

- 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.

### SHORT ESSAYS

6 X 10 = 60 Marks

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

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[Time: 3 Hours]

[Max. Marks: 100]

### 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

- Discuss the recent advances in the pharmacotherapy of Type-II Diabetes Mellitus.
- Discuss recent advances in the treatment of malaria. Briefly outline the treatment of cerebral malaria.

SHORT ESSAYS

6 X 10 = 60 Marks

- Neurosteroids
- 4. Regimes in antiretroviral therapy
- Newer β-lactam antibiotics
- Antiseptics and disinfectants
- Anti pseudomonal agents
- 8. Selective Estrogen Receptor Modulators (SERMs)

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M.D. Degree Examination - JULY 2016

[Time: 3 Hours]

[Max. Marks: 100]

## 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

- 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

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

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