Rajiv Gandhi University of Health Sciences

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

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.

SHORT ESSAYS 6 X 10 = 60 Marks

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.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – JULY 2016

[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

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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Rajiv Gandhi University of Health Sciences

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

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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Rajiv Gandhi University of Health Sciences

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

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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Rajiv Gandhi University of Health Sciences

Post Graduate Degree Examination – NOV 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

1. Discuss the toxic effects of drugs, specific antidotes used and their mode of action.
2. Write an essay on factors influencing drug absorption.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Cost benefit analysis of drugs
4. Null hypothesis
5. Transdermal administration of drugs
6. Influence of age on dosage of drugs
7. Therapeutic drug monitoring
8. Drug synergism

Rajiv Gandhi University of Health Sciences

Post Graduate Degree Examination – NOV 2016

Time: Three Hours Max. Marks: 100 Marks

MD PHARMACOLOGY
PAPER- II
(Revised Scheme)
SYSTEMIC PHARMACOLOGY - I
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

1. Explain the recent advances in pharmaco therapy of emesis.
2. Discuss the mechanism of action of drugs in ischaemic heart disease.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Drugs used in glaucoma
4. Recent advances in Pharmaco therapy of migraine
5. Slow acting anti-coagulants
6. Drugs used in treatment of parkinsonism
7. Digoxin toxicity and its management
8. Autonomic neurotransmitters

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Rajiv Gandhi University of Health Sciences

Post Graduate Degree Examination – NOV 2016

Time: Three Hours Max. Marks: 100 Marks

MD PHARMACOLOGY
PAPER- III
(Revised Scheme)
SYSTEMIC PHARMACOLOGY - II
Q. P. CODE: 7407

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

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss the guiding principles for selection of antimicrobial agents.
2. Discuss the antidiabetic agents in the treatment of type-2 diabetes.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Azole antifungal agents
4. Chemoprophylaxis of malaria
5. Alkylating agents
6. DOTS-PLUS
7. Adverse effects of glucocorticoids
8. Therapeutic uses of estrogens

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Rajiv Gandhi University of Health Sciences

Post Graduate Degree Examination – NOV 2016

Time: Three Hours Max. Marks: 100 Marks

MD PHARMACOLOGY
PAPER- IV
(Revised Scheme)
CLINICAL PHARMACOLOGY
Q. P. CODE: 7408

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

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss the various steps involved in the development of new drug.

2. Discuss the methods used to screen a compound suppose to have antiepileptic activity.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Gene therapy for inherited conditions

4. Therapeutic drug monitoring

5. Randomized trials

6. Placebo

7. Guinea pig as an experimental animal

8. Toxicokinetics

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