Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2012

[Time: 3 Hours] [Max. Marks: 100]

PHARMACOLOGY

BASIC AND GENERAL PHARMACOLOGY

PAPER – I (RS)

Q.P. CODE : 7405

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

LONG ESSAY **2 X 20 = 40 Marks**

1. What are G proteins? Discuss their role in signal transduction and drug action.
2. Discuss how various genetic factors can influence drug action. What is gene therapy?

SHORT ESSAY **6 X 10 = 60 Marks**

3. Clearance of drugs
4. Presynaptic receptors and their therapeutic significance
5. Food drug interactions
6. Enantiomers
7. Probiotics and prebiotics
8. Environmental factors influencing drug action

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2012

[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 ESSAY **2 X 20 = 40 Marks**

1. Discuss the pharmacology and recent advances in the treatment of epilepsy.
2. Discuss in detail the recent advances in the treatment of hypertension.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Glycoprotein receptor antagonists.
4. Role of vasodilators in congestive heart failure.
5. Active and passive mydriatics.
6. COMT inhibitors.
7. Pharmacotherapy of mania.
8. Inhaled asthma medication.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2012

[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 ESSAY **2 X 20 = 40 Marks**

1. Discuss the recent advances in management of partial epilepsies.
2. Discuss the general principles of antimicrobial therapy.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Preclinical safety.
4. Immunomodulators.
5. Aztreonam.
6. Leukotriene inhibitors.
7. Naltrexone.
8. Anti fertility agents.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2012

[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 ESSAY **2 X 20 = 40 Marks**

1. Discuss the various methods adopted for monitoring of adverse drug reactions. How is the data obtained useful for pharmacotherapy in human beings.
2. Discuss significance of Volume of distribution of drugs.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Mast cell stabilizers.
4. Anti emetic drugs during cancer chemotherapy.
5. Chemoprophylaxis.
6. Merits and demerits of hormone replacements therapy.
7. Drugs for anaerobic infections.
8. Ethical aspects in human research.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2012

[Time: 3 Hours] [Max. Marks: 100]

PHARMACOLOGY

BASIC AND GENERAL PHARMACOLOGY

PAPER – I

Q.P. CODE : 7401

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the biotransformation of drugs with examples
2. Describe the various types of drug transport and briefly explain the factors modifying drug absorption

SHORT ESSAY **6 X 10 = 60 Marks**

3. Novel drug delivery system
4. Student's test
5. Ion channels
6. Principles of management of drug poisoning
7. Write briefly about the use of drugs in pregnancy and lactation
8. Discuss the principles of drug action

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - Nov 2012

[Time: 3 Hours] [Max. Marks: 100]

PHARMACOLOGY

SYSTEMIC PHARMACOLOGY - I

PAPER – II

Q.P. CODE : 7402

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the current concepts in the Pharmacotherapy of hypertension
2. Discuss the drug treatment of epilepsy.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Balanced anaesthesia
4. Preclinical evaluation of anti-peptic ulcer drugs.
5. Plasma expanders
6. Opioid antagonists
7. Discuss the clinical uses of heparin
8. Phosphodiesterase inhibitors.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2012

[Time: 3 Hours] [Max. Marks: 100]

PHARMACOLOGY

SYSTEMIC PHARMACOLOGY - II

PAPER – III

Q.P. CODE: 7403

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Enumerate corticosteroid preparations. Discuss the pharmacology of glucocorticoids
2. Discuss in detail the drugs used in gram negative bacterial infections

SHORT ESSAY **6 X 10 = 60 Marks**

3. Dapsone
4. Teicoplanin
5. Isoxsuprine
6. Toxicity ameliorating agents in cancer chemotherapy
7. Tacrolimus
8. Ketoconazole

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2012

[Time: 3 Hours] [Max. Marks: 100]

PHARMACOLOGY

CLINICAL PHARMACOLOGY

PAPER – IV

Q.P. CODE: 7404

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the pharmacotherapy and recent advances in congestive heart failure
2. Describe the clinical pharmacology and therapeutic uses of phenytoin

SHORT ESSAY **6 X 10 = 60 Marks**

3. Phase – III clinical trails
4. Informed consent
5. Methods of evaluate antidiabetic drugs
6. Retrospective study
7. Chronopharmacology
8. Therapeutic jungle

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Nov 2012

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Beneficial and harmful effects of drug combinations – substantiate with suitable examples.
2. Discuss various factors governing the selection of a drug and optimization of the dosage regimes.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Phase IV clinical trial
4. Acute toxicity studies
5. Iatrogenic hepatotoxicity
6. Principles of therapeutic drug monitoring
7. Chi square test
8. Pharmacoeconomics

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Nov 2012

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the various drugs used in Rheumatoid arthritis
2. Discuss the drug therapy of Parkinsonism

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Plasma expanders
4. Atypical antipsychotics
5. Enalapril
6. Adenosine
7. Uses of antimuscarinic agents
8. Vasopressin receptor agonists in therapy

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Nov 2012

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. Answer all questions

LONG ESSAYS **2 x 20 = 40 Marks**

1. Write in detail about the Pharmacotherapy of Rheumatoid Arthritis
2. Discuss current advances in the treatment of Protozoal infections

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Bisphosphonates
4. Third generation cephalosporins
5. Enzyme preparation in therapy
6. Anti-oestrogens
7. Development of resistance to anti-microbial drugs and antibiotic combinations in mixed infection
8. Anti-metabolitis used in Malignancy

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Nov 2012

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 in detail the various phases of clinical trials.
2. Discuss the methods used to screen a compound suppose to have antidiabetic activity.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. ANOVA
4. HIV treatment guidelines
5. Informed consent
6. Meta-analysis
7. Alternatives to the use of animals in drug research
8. Kinetics of elimination

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