Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY 2017

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. Discuss the principles, methods, advantages and limitations of therapeutic drug monitoring.

2. Discuss with example the influence of pharmacogenetics on therapeutic outcome of drugs.

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

3. Preventable adverse drug reactions

4. Kinetics of drug elimination

5. Intracellular receptors

6. Bioequivalence

7. Student's **t**-test

8. Enzyme-immunoassay

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY 2017

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 Pharmacotherapy of endogenous depression.
2. Discuss the role of Beta adrenergic blockers in therapeutics.

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

3. Drugs used in gastroesophageal reflux disease
4. GABA modulators in epilepsy
5. Corticosteroids in asthma
6. Pleiotropic effects of statins
7. Intravenous general anesthetics
8. Potassium sparing diuretics

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – <<>>

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 role of hormones in cancer chemotherapy.

2. Discuss the recent advances in the treatment of fungal infections.

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

3. Human insulins

4. Immunostimulants

5. Oral contraceptive pills

6. Management of cerebral malaria

7. Mechanism of antibacterial drug resistance

8. Anti-oestrogens

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – JUNE 2017

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. Give an account of modern scientific approach to drug discovery and development.

2. Discuss the methods used to screen a compound supposed to have anti-inflammatory activity.

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

3. Transgenic animals

4. Statistical significance in clinical pharmacology research

5. Expedited review

6. Drugs to be avoided during pregnancy

7. GCP guidelines

8. Acute toxicity studies

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – NOVEMBER 2017

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

PHARMACOLOGY - PAPER – I
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 The Questions **10 X 10 = 100 Marks**

1. Transfer of drugs across the biological membrane
2. Describe the receptor concept of drug action.
3. Chi-square test
4. Therapeutic index
5. Plasma Half-Life
6. Fetal effects of maternal drug exposure
7. Standard error
8. Genetic polymorphism in drug metabolism
9. Orphan drugs
10. Targeted drug delivery system

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – NOV 2017

[Time: 3 Hours] **[Max. Marks: 10**

PHARMACOLOGY - PAPER – II
SYSTEMIC PHARMACOLOGY - I
Q.P. CODE: 7406

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

Answer All The Questions **10 X 10 = 100 Mark**

1. Haemopoietic growth factors and their analogues in therapeutics.
2. Recent advances in the management of Angina.
3. Therapeutic uses of Prostaglandins
4. Potassium sparing diuretics
5. Cholinesterase inhibitors in therapeutics
6. Pharmacotherapy in Parkinsonism
7. Pharmacotherapy of migraine
8. Treatment of Opium addiction
9. Leukotriene modifiers in bronchial asthma
10. Probiotics

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – NOV – 2017

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

PHARMACOLOGY - PAPER – III
SYSTEMIC PHARMACOLOGY - II
Q.P. CODE: 7407

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

Answer All The Questions **10 X 10 = 100 Marks**

1. Protease inhibitors
2. Incretins in Diabetes mellitus.
3. Radioactive isotopes of iodine
4. Hormone replacement therapy in post menopausal women
5. Topical antifungal agents
6. Monoclonal antibodies in cancer chemotherapy
7. Ivermectin
8. Tocolyties
9. Multi drug resistant tuberculosis
10. Artemisinin compounds

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Rajiv Gandhi University of Health Sciences, Karnataka

MD Degree Examination – NOV 2017

Time: Three Hours **Max. Marks: 100 Marks**

PHARMACOLOGY - PAPER – IV
CLINICAL PHARMACOLOGY
Q.P. CODE: 7408

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

Answer All The Questions **10 x 10 = 100 Marks**

1. Discuss the evolution of ethics in clinical research.
2. Discuss the screening methods to evaluate a compound for Antiepileptic activity.
3. Evaluation of Anti-asthmatic drugs in animal models
4. Therapeutic drug monitoring
5. Novel analgesic targets
6. Randomized trials
7. Enzymes in therapy
8. Fixed dose drug combinations-merits and demerits
9. Pharmacovigilance
10. Oral Rehydration Salts (ORS)

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