



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



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**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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Post Graduate Degree Examination - <<>>

Time: Three Hours

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**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



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
