



**Rajiv Gandhi University of Health Sciences, Karnataka**  
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

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**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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**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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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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