(1)

7401_2009_1_S12

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2010

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

PHARMACOLOGY

BASIC AND GENERAL PHARMACOLOGY

PAPER – I

AP-37
12/07/2010

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 molecular mechanism of genetic polymorphism of drug metabolism.
2. Discuss the signal transduction pathways and drug actions.

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

3. Tests of mutagenicity
4. Methods of avoiding experimental bias
5. Current status of LD 50 test
6. Transgenic animals
7. P-Glycoprotein
8. Chimeraplasty

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DR. MULLER'S MEMORIAL CENTRAL LIBRARY

(2)

7402_2009_1_S151.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May - 2010

[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 recent advances in the management of Bronchial Asthma.
2. Impact of Comorbiolity on the selection of Antihypertensives. Discuss with appropriate examples.

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

3. Osmotic diuretics as therapeutic agents.
4. Plasma Volume Expanders.
5. Connabinoids as therapeutic agents.
6. Clinical uses of Anticholinesterases.
7. Clinically useful effects of aspirin.
8. Newer anti-apileptic agents

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7403_2009_1_S151.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May - 2010

[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. Discuss pharmacology of newer broad spectrum antimicrobial agents and add a note om principles for the selection of antimicrobial agents
2. Discuss pharmacology newer anti-diabetic agents

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

3. Penicillins- current clinical status.
4. Drugs used in mycobacterium avium complex with their adverse effects.
5. Newer anti-diabetic agents
6. Topical steroids.
7. Drug treatment of Thyrotoxic crisis with rationale for the use of each drug.
8. Drug treatment regimens used in cancer chemotherapy



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7404_2009_I_S42

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2010

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

PHARMACOLOGY

CLINICAL PHARMACOLOGY

PAPER – IV

Q.P. CODE : 7404

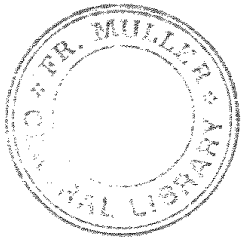
Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

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

1. Write about experimental evaluation of a drug claimed to have Analgesic properties
2. How will you proceed to conduct clinical trial of an antiepileptic drug

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

3. Therapeutic window
4. Animal test to observe effect of drugs on salivary flow
5. Clinical evaluation of Beta Adrenergic Blocking Agents
6. Double Blind Study
7. Steady state concentration
8. Pharmacovigilance



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7405_2009_1_S134

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2010

[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. Discuss in detail the clinical significance of administration of drugs in Geriatric practice
2. Discuss the mechanisms in hepato-bihary and renal exertion of drugs with related drug-drug interactions

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

3. Computer aided drug design
4. Principles of HPLC
5. Pharmacogenomics
6. Pro drugs
7. Ion channels
8. ANOVA

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DR. MGR. MEDICAL UNIVERSITY CENTRAL LIBRARY

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7406_2009_1_S134.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2010

[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

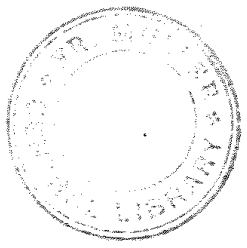
LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the pharmacology, limitations and recent advances in Renin Anglotensin Aldosterone System

2. Discuss in detail the recent advances in the treatment of bronchial asthma

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

3. Slow I.V anaesthetic agents
4. Pharmacotherapy of mental depression
5. Myeloid growth factors
6. NMDA receptor antagonists
7. K^+ channel modulators
8. Role of beta blockers in congestive heart failure



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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2010

[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 role of antibiotics in cancer chemotherapy
2. Discuss the recent advances in the management of diabetes mellitus

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

3. Gn RH analogs
4. Immuno suppressants
5. Anabolic steroids
6. Topical antibacterial preparations
7. Anti psendomonal drugs
8. Thalidomide

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(8)

7408_2009_1_S132

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2010

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

PHARMACOLOGY

CLINICAL PHARMACOLOGY

PAPER – IV (RS)

Q.P. CODE : 7408

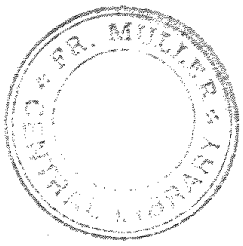
Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

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

1. Discuss the factors influencing and methods to improve patient compliance
2. Discuss the methods involved in screening a compound supposed to have anti ulcer activity

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

3. Anti obesity drugs
4. Role of pharmacokinetics in the safety evaluation and approval of a new drug
5. Confidence intervals
6. Drugs useful in opportunistic infections in AIDS patients
7. Alternatives to the use of animals in drug research
8. Nutraceuticals



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