21

7401_2011_1_S203.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

[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 factors affecting the bioavailability of a drug. Add a note on the drug usage in humans
2. Describe the adverse effects associated with the drug usage in humans

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

3. Receptor regulation
4. Confidence intervals
5. Newer drug delivery systems
6. Complementary and alternative medicine
7. Sampling errors
8. Renal excretion of drugs

* * * * *

FR. MULLER'S CENTRAL LIBRARY

22

7402_2011_1_S203.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2011

[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 pharmacotherapy of congestive heart failure.
2. Discuss the recent concepts in the pharmacotherapy of depression

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

3. Fluorinated anaesthetics
4. Animal models for screening antiepilepsy drugs
5. 5-HT antagonists
6. Drug therapy of gastro oesophageal reflux disease.
7. Hypolipidemic agents
8. Adverse effects of chlorpromazine

* * * * *

FR. MULLER CENTRAL LIBRARY

7403_2011_1_S43.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

[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 the role of antimicrobials in the treatment of Urinary tract
2. Give an account of Topoisomerase inhibitors in cancer chemotherapy

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

3. Chemoprophylaxis in operative procedures
4. Resistance to antibiotics
5. Nevirapine
6. Finasteride
7. Repaglinide
8. Hormone replacement therapy

* * * * *

DR. B. MULLER'S CENTRAL LIBRARY

24

7404_2011_1_S131.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

[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. Describe the screening methods of an investigational molecule for anti anxiety activity
2. Discuss the factors modifying drug action in disease conditions

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

3. Apparent volume of distribution
4. Regulatory bodies in clinical trails
5. Vasopressin receptor antagonists
6. Pharmaco economics
7. Rational Drug use
8. Designer Drugs

* * * * *

DR. MUTHU'S CENTRAL LIBRARY

25

7405_2011_1_S202.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

[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 about drug interactions
2. Discuss in detail about clinical significance of administration of drugs in elderly patients.

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

3. Pharmacometrics
4. Drug delivery systems.
5. Therapeutic Window phenomenon.
6. G-protein coupled receptors.
7. Principles of HPLC.
8. Placebo.

* * * * *

"F.R. MULLER" CENTRAL LIBRARY

26

7406_2011_1_S202.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

[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 the treatment of glaucoma.
2. Discuss in detail the recent advances in the treatment of peptic ulcer.

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

3. Aspirin intolerance.
4. Newer anti-epileptic drugs.
5. Angiotensin receptor antagonists.
6. Pharmacotherapy of ventricular arrythmias.
7. Leukotriene antagonists.
8. LMW heparins.

* * * * *

FR. MULLER'S CENTRAL LIBRARY

27

7407_2011_1_S203.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

[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 monoclonal antibodies in treating various malignant conditions
2. Discuss NACO (National AIDS Control Organization) guidelines for treating AIDS Also give in brief about newer antiretrovirals.

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

3. Echinocandins
4. Bisphosphonates
5. Therapeutic applications of Nano technology
6. DPP-4 inhibitor
7. Therapeutic applications of phosphodiesterase inhibitors
8. Male contraceptives

* * * * *

DR. MULLER'S CENTRAL LIBRARY

28

7408_2011_1_S208.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

[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

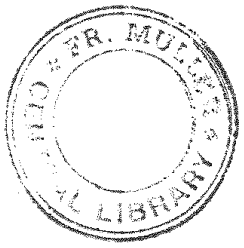
LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss in detail drug abuse by sportspersons.
2. Describe the role of placebo in clinical trials.

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

3. Drug approval in India.
4. Methods involved in screening of a compound having analgesic activity.
5. Pseudo membranous colitis.
6. Gabapentin.
7. Newer anesthetic agents.
8. Recent advances in drug delivery system for Diabetes Mellitus.

* * * * *



29

7401_2011_2_S272.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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. Describe in detail the mechanism of action of drugs
2. Discuss the adverse drug reactions with examples. write a brief note on pharmacovigilance

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

3. Chisquare test
4. Explain the use of drugs in liver disease
5. Drug antagonism
6. Kinetics of elimination
7. Recombinant DNA technology
8. Blood brain barrier

FR. MULLER CENTRAL LIBRARY

* * * * *

30

7402_2011_2_S27l.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - Nov 2011

[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 pharmacology of Morphine
2. Classify anticholinergic drugs. Discuss the pharmacological actions, adverse effects and therapeutic uses of anyone of them

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

3. Mannitol
4. Proton pump inhibitors
5. Dantrolene
6. Miotics
7. Low molecular weight heparin
8. Long acting beta 2 agonists

* * * * *

FR. MULLER'S CENTRAL LIBRARY

31

7403_2011_2_S201.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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 the role of hormonal contraceptives in suppression of fertility and the clinical implications
2. Discuss the current status of β - Lactam antibiotics in the chemotherapy of bacterial infections

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

3. Newer Insulins
4. Glycopeptide antibiotics
5. Chemotherapy of Leukaemias
6. Pharmacology of Vitamin – D
7. Immunosuppression in organ transplantation
8. Ivermectin

* * * * *

DR. MULLER'S CENTRAL LIBRARY

32

7404_2011_2_S203.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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. Describe the phases of clinical trials of drugs.
2. Describe the process of therapeutic drug monitoring and its clinical implications

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

3. Pharmacogenomics
4. Institutional ethics committee (IEC)
5. Rational drug use
6. Monoclonal antibodies
7. Patient compliance
8. Doping in sports

* * * * *

DR. FR. MULLER'S LIBRARY

7405_2011_2_S209.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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 the role and importance of drug and therapeutics committees.
2. What do you understand by therapeutic drugs. What are its essential requirements? How does it assist treating doctors in providing appropriate treatment to the patients?

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

3. Drug prescription in renal insufficiency.
4. Misuse of antibiotics.
5. Bio equivalence and its clinical relevance.
6. Alternative to animals in drug research.
7. OTC drugs and their therapeutic and toxic potential.
8. Teratogenicity.

* * * * *

FR. MULLER CENTRAL LIBRARY

34

7406_2011_2_S206.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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 pathophysiology and the recent trends in the treatment of Alzheimer's disease.
2. Discuss the role of PPARs in pharmacotherpaeutics. Outline the recent advances in treatment of type II diabetes mellitus.

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

3. High ceiling diuretics and their therapeutic uses
4. Plasma expanders and their role in therapeutics
5. Non–adrenergic Non-cholinergic transmission
6. Markers of oxidative stress
7. Current status of methylxanthines in the treatment of asthma and COPD
8. Cannabinoid receptors

* * * * *

FR. MULLER'S CENTRAL LIBRARY

35

7407_2011_2_S204.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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 mechanisms involved in development of resistance to antimicrobials and outline the strategies for counteracting them.
2. Discuss the current strategies and recent advances in the drug therapy of hyperlipoproteinemia.

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

3. Oestrogen receptors
4. Non – nucleoside reverse transcriptase inhibitors
5. Cytokines as drugs
6. Routes of corticosteroid administration
7. Pharmacotherapy of gram negative septicemia
8. Taxols

* * * * *

FR. MULLER'S CENTRAL LIBRARY

36

7408_2011_2_S206.doc

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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 role of clinical pharmacology in teaching, research and drug development.
2. Discuss screening methods for evaluating a potential anti-fertility agent.

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

3. Receptor binding assays
4. Pharmaceutical development of drug
5. Methods in drug discovery
6. Serious adverse drug reactions
7. Pharmacoeconomics
8. Henderson – Hasselbach equation

* * * **

CENTRAL LIBRARY