Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 07-Jul-2023

Time: Three Hours | Max. Marks: 100 Marks

PHARMACOLOGY - PAPER – I (RS-2/RS-3)
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. Drug transporters and their implications in therapeutics.
2. Factors modifying drug actions
3. Essential medicine(s) concept
4. Therapeutic implications of efficacy and potency
5. Pharmacokinetics of drugs during pregnancy
6. Non-receptor mediated drug action
7. Co transmitters
8. Drug targeting
9. Randomization
10. Pharmacovigilance

M.D. Degree Examination – 10-Jul-2023

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

PHARMACOLOGY - PAPER – II (RS-2/RS-3)
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 Marks

1. Cotransmission in the Autonomic Nervous System
2. Atropine substitutes
3. α (Alpha) Adrenergic receptor antagonists
4. Balanced anaesthesia
5. Dopamine hypothesis of Schizophrenia
6. 5-HT (Hydroxytryptamine) antagonists
7. Cognition enhancers
8. Opioid antagonists
9. Purgatives – use and abuse
10. Disease Modifying Anti-Rheumatic Drugs (DMARDs)

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 12-Jul-2023

Time: Three Hours | Max. Marks: 100 Marks

PHARMACOLOGY - PAPER – III
(RS-2/RS-3)
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. Insulin analogues
2. Pharmacotherapy of Obesity and its limitations
3. Colony Stimulating Factors
4. **Somatotropin**
5. Radioactive Iodine
6. Rational Fixed Dose Combinations (FDCs) of antimicrobial agents
7. Highly active anti-retroviral therapy (HAART) and post-exposure prophylaxis (PEP) of HIV infection
8. Fusion proteins as immunomodulators
9. Topical antifungal agents
10. L- Asparaginase

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M.D. Degree Examination – 14-Jul-2023

Time: Three Hours | Max. Marks: 100 Marks

PHARMACOLOGY - PAPER – IV (RS-2/RS-3)
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. Drug utilization studies
2. Drug desensitization
3. Randomization
4. Clinical pharmacology of CYP2C9 enzymes
5. Write about toxicity amelioration of anticancer drugs
6. Drugs used in glaucoma
7. Recent trends in treatment of heart failure
8. Teratogenic drugs
9. Prostaglandins in therapy
10. Role of corticosteroids in bronchial asthama

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 16-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

PHARMACOLOGY - PAPER – I (RS-2/RS-3)
Basic and General Pharmacology
Q.P. CODE: 7405

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

nswer All The Questions | 10 x 10 = 100 Marks

1. Perinatal pharmacology
2. Drug Transport system
3. Nanoparticles
4. Non parametric tests
5. Auto receptors
6. Radio immunoassay
7. Reverse pharmacology
8. Flame photometry
9. Dose-response relationship
10. Primary pharmacokinetic parameters

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M.D. Degree Examination – 18-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

PHARMACOLOGY - PAPER – II (RS-2/RS-3)
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 Marks

1. Non-diuretic uses of diuretic
2. Erythropoietin
3. Drugs inhibiting renin angiotensin system
4. Recent advances in the pharmacotherapy of depression
5. GABA modulators in epilepsy
6. Anti-helicobacter pylori therapy
7. Immunomodulators in bronchial asthma
8. Recent advances in pain therapy
9. SAR of anticholinergics
10. Recent advances in the management of angina pectoris

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 20-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

PHARMACOLOGY - PAPER – III
(RS-2/RS-3)
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. GNRH analogues
2. Immunosuppressants
3. Fourth generation cephalosporins
4. Epalrestat
5. Uses of Corticosteroids for non-endocrine diseases and adverse effects on long term use
6. Management of Opportunistic infections
7. Sodium- Glucose transport protein two inhibitors
8. Treatment of Psoriasis
9. Ameliorative measures in cancer chemotherapy
10. Anti influenza agents

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M.D. Degree Examination – 22-Dec-2023

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

PHARMACOLOGY - PAPER – IV
(RS-2/RS-3)
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. Methods of screening drugs for peptic ulcer.
2. Drug toxicity studies.
3. Post marketing surveillance
4. Chronopharmacology
5. General principles of bioassay
6. Pharmacometrics
7. Pharmacoepidemiology
8. Evaluation of antipsychotic agents
9. New drug delivery system
10. Off – label uses of drugs

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