Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 21-Jun-2024

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. Define Over The Counter drugs; brief on regulations in India and add a note on ‘’Switch Process”
2. Tabulate Ion channels as drug targets with examples
3. Estimation of pA2 values
4. Drug administration and dosage modulation in renal disease
5. Chi-square test
6. Entero-hepatic recirculation and its role in therapeutics
7. Compare Tolerance and Dependence
8. Plasma protein binding and its clinical significance
9. Define counterfeit medications; explain the issues and solutions with examples.
10. Management of Acute poisoning and chronic Iron overload

M.D. Degree Examination – 24-Jun-2024

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. Pharmacological treatment of CHF
2. NMDA receptors antagonists and their clinical application
3. Therapeutic uses with rational of cholinergic agonists
4. Role of NO in cardiovascular system and coronary vasodilators treatment of angina
5. Newer antidepressants
6. Pharmacotherapy of alcohol dependence
7. Non-epileptic uses with rational of antiepileptic drugs
8. Drug therapy of Alzheimer’s disease
9. Hypertensive crisis
10. Vitamin K dependent anticoagulants

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 26-Jun-2024

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. Write in detail on antimicrobial FDCs with rationale
2. Selective Estrogen Receptors Modulators
3. Compare the formulations of Amphotericin-B
4. Management of Chronic recurrent Urinary Tract Infection
5. Antipseudomonal Penicillins and Cephalosporins
6. Prodrugs used in the treatment of Hepatitis B infection; add a note on investigational agents
7. Contraindications for Oral contraceptive pills
8. Benefit versus risk of Vaccines in Pandemic
9. Entry inhibitors in the treatment of HIV infection
10. Fusion proteins as immunomodulators

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M.D. Degree Examination – 28-Jun-2024

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. Discuss about drug interactions
2. Discuss about toxicity testing in animals for new drugs
3. Discuss about Carcinogenicity and Mutagenicity
4. Discuss about Anabolic steroids
5. Discuss about phases of drug discovery
6. High Throughput Screening (HTS)
7. Pharmacotherapy of Pulmonary Hypertension
8. Pharmacology of Fibrinolytics
9. Vaccine safety – myths, truths and consequences
10. Animal models of Alzheimer’s disease