

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND
RESEARCH**

Post Graduate Examinations, November 2023

Time: 180 Minutes

Max Marks: 100 Marks

Pharmacology Paper I

QP CODE: P3061

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

1. Explain drug induced nephrotoxicity and their clinical relevance
2. Explain the role of second messengers in drug action
3. Current status of Personalized Medicine
4. Explain the sources of information for Drug Utilization Studies
5. Explain the methods of new drug evaluation in animals
6. Explain the screening methods in animals for a new drug used in hypertension
7. Explain the principles and therapeutic applications of quantitative methods of estimating drug levels
8. Explain Committee for Control and Supervision of Experiments on Animals (CCSEA) guidelines
9. Explain fixed drug combinations with clinical relevance
10. Explain the structure activity relationship based clinical application of catecholamines

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Pharmacology Paper II

QP CODE: P3062

Your answer should be specific to the question asked

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1. Explain the clinical significance of volume of distribution and orders of kinetics
2. Explain placebo and its role in clinical trials
3. Explain National Pharmacovigilance Week
4. List of Essential Medicines
5. Explain the plant products in therapy
6. Explain drug induced nephrotoxicity
7. Explain Chi-square test
8. Explain levels of evidence in research
9. Explain the responsibilities of a researcher
10. Explain the Human genetic testing and research

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Pharmacology Paper III

QP CODE: P3063

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1. Explain the uses of catecholamines
2. Explain the role of 5-HT receptor modulators in therapy
3. Explain bronchodilators
4. Explain the antiestrogens and their clinical implications
5. Explain the general principles of pharmacokinetics of general anaesthetics
6. Explain the mechanism of action and basis for drugs used in treatment of acute myocardial infarction
7. Parenteral iron preparations and treatment of iron toxicity
8. Treatment of non-infective diarrhoea
9. Drugs used to treat staphylococcal infections
10. Drugs used in prophylaxis of malaria

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Pharmacology Paper IV

QP CODE: P3064

Your answer should be specific to the question asked

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1. Explain the algorithm in management of hypertension
2. Explain the mechanism, advantages and disadvantages of atypical drugs used in treatment of schizophrenia
3. Newer oral drugs used in type 2 diabetes mellitus and their advantages
4. Management of extrapulmonary tuberculosis
5. Drugs used in treatment of Monkeypox
6. Biological materials and biobanking guidelines
7. Explain targeted drug delivery
8. Mechanism and therapeutic applications of prostaglandins
9. Drug treatment of myasthenia gravis
10. Lecanemab and Daprodustat