Post Graduate Degree Examination – April/May - 2017

Time : 3 Hrs.   **[Max. Marks : 100]**

M.D. PHARMACOLOGY

PAPER - I

Q.P Code : RS 2301

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

LONG ESSAY   **10 X 10 = 100 Marks**

1. Advances in drug delivery systems.

2. Drug isomerism and its significance.

3. Confidence limits/intervals.

4. Effect of disease states on volume of distribution of drugs.

5. Ion channels for drug action.

6. Chronotherapeutics.

7. Radio Immuno Assay.

8. Pharmaco Economics.

9. Purinergic receptors.

10. Gene therapy.

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

M.D. PHARMACOLOGY

PAPER - II

Q.P Code : RS-2302

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

LONG ESSAY   **10 X 10 = 100 Marks**

1. Explain the pharmacological basis of drugs used in Parkinsonism.

2. Discuss the physiology, pharmacology and therapeutic relevance of nitric oxide (NO) with a note on NO releasing drugs.

3. Enumerate the tachykinins and discuss their pathophysiological role and pharmacological implications.

4. Explain pharmacotherapy of myocardial infarction.

5. Discuss the current status of mast cell stabilizers in the treatment of bronchial asthma.

6. Describe the physiology of blood coagulation and fibrinolysis. Enumerate the fibrinolytics and their clinical uses.

7. Discuss the pharmacotherapy of drugs used in inflammatory bowel diseases.

8. Describe the clinical pharmacology of loop diuretics and add a note on diuretic resistance.

9. Drug treatment of Glaucoma.

10. Discuss the different types of opioid receptors, their distribution and actions mediated through them. Add a note on opioid tolerance.

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SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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M.D. PHARMACOLOGY

PAPER - III

Q.P Code : RS-2303

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

LONG ESSAY   **10 X 10 = 100 Marks**

1. Newer drugs used in treatment of type II diabetes mellitus.

2. Treatment of Infertility.

3. Current treatment guidelines of severe HIV infection.

4. Drug treatment of bacetrial meningitis.

5. Opportunistic infections and their treatment.

6. Plant products used in cancer chemotherapy.

7. Treatment algorythom of acute severe acne vulgaris.

8. Tyrosine kinase inhibitors.

9. Immunostimulants.

10. Drug treatment of Osteoporosis.

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

M.D. PHARMACOLOGY

PAPER - IV

Q.P Code : RS-2304

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

LONG ESSAY   **10 X 10 = 100 Marks**

1. Explain novel targets for analgesic drugs.

2. Principles of good clinical practice (GCP).

3. Discuss the various screening methods for evaluation of anti-inflammatory drugs.

4. Discuss the current status and guidelines for reporting 'observational studies'.

5. Explain the role of cytokines in health and disease.

6. Discuss the types of medication errors and the measures to minimize them.

7. Discuss the objectives, study designs, advantages and limitations of 'microdosing studies'.

8. Discuss the clinical significance of drug-drug interactions with suitable examples.

9. Drug treatment of Methicillin resistant staphylococcus aureus (MRSA) infections.

10. Discuss the importance of review of literature in biomedical research.

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