

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – April / May - 2014

Time : 3 Hrs.

[Max. Marks : 100]

M.D PHARMACOLOGY

PAPER - I

Q.P Code : 2301

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss in detail chronopharmacology and its application in various diseases.
2. Factors affecting various aspects of drug action.

SHORT ESSAY

6 X 10 = 60 Marks

3. Drug holiday.
4. Drug therapy in pediatrics- pharmacokinetic considerations and therapeutic drug monitoring.
5. Gene therapy-Basis, types and targets.
6. Pre synaptic receptors.
7. Placebo and Nocebo.
8. Teratogenicity.

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M.D PHARMACOLOGY

PAPER - II

Q.P Code : 2302

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss in detail the pharmacology of drugs used in convulsive disorders.
Add a note on recently introduced newer anticonvulsants.
2. Mention the different types of presynaptic receptors and explain their role in the regulation of neurotransmitter release in the central and peripheral nervous system.

SHORT ESSAY

6 X 10 = 60 Marks

3. Nitric oxide donors and inhibitors.
4. Vasopeptidase inhibitors .
5. Newer drugs in treatment of parkinsonism.
6. Haematopoietic growth factors.
7. Drugs modifying platelet functions.
8. Drugs used in inflammatory bowel disease.

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M.D PHARMACOLOGY

PAPER - III

Q.P Code : 2303

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Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 20 = 40 Marks

1. Prevention and treatment of HIV infection.
2. Discuss recent developments in the drug therapy of diabetes mellitus.

SHORT ESSAY

6 X 10 = 60 Marks

3. Monoclonal anti bodies.
4. Hormone replacement therapy.
5. Gonadotropin releasing hormone (GnRH)
6. Cell cycle specific agents for cancer chemotherapy.
7. Drugs acting on the uterus.
8. Chemoprophylaxis in surgical procedures.

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M.D PHARMACOLOGY

PAPER - IV

Q.P Code : 2304

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

LONG ESSAY

2 X 20 = 40 Marks

1. Newer uses of older drugs with examples and basis of such uses.
2. Outline the drug development process.

SHORT ESSAY

6 X 10 = 60 Marks

3. Pre clinical toxicity studies.
4. Cassette dosing.
5. Models for studying stem cell therapeutic targets.
6. Stem cell therapy.
7. Animal models for screening of anti obesity drugs.
8. Recent advances in therapy of parkinson's disease.

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