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**MD Pharmacology
EXAMINATION, June 2016**

Paper First

GENERAL PHARMACOLOGICAL PRINCIPLES AND ALLIED SCIENCES.

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Write an account on the pharmacological basis of adverse drug reactions & their impact on optimizing drug therapy. [20]
2. Discuss briefly- [10×3]
 - a. Pharmacoeconomics
 - b. Orphan drugs
 - c. Inverse agonism
3. Write pathophysiology of Parkinsonism with diagram. Discuss the pharmacological basis for the use of various groups of drugs. [20]
4. Write short notes on- [10×3]
 - a. Basic principles in the management of drug dependence
 - b. Criteria used to classify receptors
 - c. Kinetics of drug elimination

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**MD Pharmacology
EXAMINATION, June 2016**

Paper Second

SYSTEMIC PHARMACOLOGY, CHEMOTHERAPY AND THERAPEUTICS.

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions.

Discuss briefly—

[10x10]

- a. Cephalosporins
- b. Classify antihypertensive agents, discuss the management of hypertension, "compelling indications" for antihypertensive agents & their adverse effects.
- c. G- protein coupled receptors.
- d. Fixed dose combinations.
- e. Pharmacotherapy of peptic ulcer.
- f. Treatment of nosocomial infections.
- g. Management of ischemic stroke
- h. Treatment of anemias
- i. Current status of steroids in bronchial asthma
- j. Serious versus severe adverse effects of anticancer agents.

Printed page (s): 1

Paper Code: MD-123

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**MD Pharmacology
EXAMINATION, June 2016**

Paper Third

**EXPERIMENTAL PHARMACOLOGY, SCREENING OF DRUGS AND
STATISTICS**

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Discuss in brief various methods of screening in experimental animals [20x2]
 - a. Analgesic drugs
 - b. Anti -hypertensive drugs

2. Write in briefly on- [10x6]
 - a. Student – 't' test
 - b. Reverse pharmacology
 - c. Bracketing Assay
 - d. Institutional animal ethics committee
 - e. Safety Index & its clinical implications.
 - f. Dose Response Curve

Printed page (s): 1

Paper Code: MD-124

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**MD Pharmacology
EXAMINATION, June 2016**

Paper Fourth
**CLINICAL PHARMACOLOGY AND RECENT ADVANCES IN
PHARMACOLOGY.**

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions.

Discuss briefly the following –

[10x10]

1. Ritonavir as antiretroviral
2. Compensation guidelines in clinical research related harm.
3. Informed consent in clinical trials
4. Management of urinary incontinence
5. Significance of pharmacovigilance in India
6. Mood Stabilizers
7. Good clinical research practice.
8. Monoclonal antibodies
9. Recent advances in treatment of diabetes
10. Pharmacokinetic considerations for pediatric patients.
