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**MD Pharmacology
EXAMINATION, MAY 2017**

Paper First

GENERAL PHARMACOLOGICAL PRINCIPLES AND ALLIED SCIENCES.

Time: Three Hours]

[Maximum Marks: 100

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

Write briefly -

[10×10=100]

1. Bioavailability of drug
2. Loading dose, Maintenance dose
3. Drug- drug interactions
4. Pharmacovigilance Programme of India
5. Factors modifying drug action
6. Receptor regulation
7. Principles of treating poisoning
8. Pathophysiology of cardiac failure & drugs used to control it.
9. Role of drug metabolism in drug development
10. Sir Henry Dale & his contribution to pharmacology

Printed page (s): 1

Paper Code: MD-122

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**MD Pharmacology
EXAMINATION, MAY 2017**

Paper Second

SYSTEMIC PHARMACOLOGY, CHEMOTHERAPY AND THERAPEUTICS.

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions.

Discuss briefly—

[10x10]

- a. Antimicrobials against hospital acquired Gram-negative infections
- b. Discuss the pathophysiology & management of congestive heart failure
- c. Adverse effects of long term systemic administration of corticosteroids.
- d. Ligand-gated ion channels as drug targets
- e. Treatment of Parkinson's disease
- f. Monoclonal antibodies as anticancer agents
- g. Proton pump inhibitors- mechanism of action, indications & adverse effects
- h. Drug treatment of COPD
- i. Pathophysiology & treatment of pernicious anemia
- j. Treatment of invasive candida infections

Printed page (s): 1

Paper Code: MD-123

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**MD Pharmacology
EXAMINATION, MAY 2017**

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 the screening methods in experimental animals of- [20x2]
 - a. Anti-anxiety drugs
 - b. Anti-diabetic drugs

2. Write in briefly on- [10x6]
 - a. Non parametric statistical tests
 - b. Good Laboratory practices
 - c. Euthanasia in experimental animals
 - d. Conditioned avoidance response
 - e. Eddy's hot plate.
 - f. Transgenic animals

Printed page (s): 1

Paper Code: MD-124

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**MD Pharmacology
EXAMINATION, MAY 2017**

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. Post marketing surveillance
2. Institutional Ethics committee.
3. Therapeutic drug monitoring
4. Confidentiality agreement
5. Recent advances in antianaemic drugs
6. Clinical trial registration
7. Current status of HMG Co-A reductase inhibitors.
8. Newer antipseudomonal drugs
9. Recent advances in drugs used in insomnia
10. Case control study
