

# MD[ Pharmacology ]

BF/2009/05

## Clinical and other basic sciences as related to Pharmacology [Paper-I]

**Time : 3 Hours**

**M.M.: 100**

*Note: Attempt all questions.*

1. **Write an account of:** [35]
  - a. Radio immunoassay.
  - b. Chrono pharmacology.
  - c. Gene therapy.
  
2. **Write the management of:** [35]
  - a. Erectile dysfunction.
  - b. Benign prostatic hypertrophy.
  - c. Chronic simple glaucoma.
  
3. **Write in short on:** [30]
  - a. Pharmacotherapy of Shock.
  - b. Pharmacotherapy of Asthma.
  - c. Pharmacotherapy of GERD.

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## General & Systemic Pharmacology

[Paper-II]

**Time : 3 Hours**

**M.M.: 100**

*Note: Attempt all questions.*

1. Discuss the pathogenesis of Cardiac arrhythmias. Write about the current and future treatment options about the ventricular arrhythmias. [30]
  
2. **Give an account of the drug treatment of:** [30]
  - a. Breast carcinoma.
  
  - b. Bipolar depression.
  
  - c. Pseudomonas -induced urinary tract infection.
  
3. **Write notes on:** [40]
  - a. Tizanidine.
  
  - b. Contribution of genetic engineering in drug therapy.
  
  - c. Antibiotics & Probiotics.
  
  - d. Glucagon-like peptide -1

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## Experimental & Clinical Pharmacology

[Paper-III]

Time : 3 Hours

M.M.: 100

*Note: Attempt all questions.*

1. **Discuss:** [2x20=40]
    - a. Pharmacogenomics and drug development research.
    - b. Implications of developmental landmarks in Sulphonamides to Chemotherapy.
  
  2. **Write notes on:** [4x15=60]
    - a. Institute ethical committee for clinical research .
    - b. Superfoods.
    - c. Animal screening tests of drug effects on learning and memory.
    - d. Nonparametric statistical tests.
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## Recent Advances in Pharmacology

[Paper-IV]

**Time : 3 Hours**

**M.M.: 100**

*Note: Attempt all questions.*

1. **Discuss the recent advances in the treatment of:**
  - a. Hyperlipidaemia. [20]
  - b. Bening prostatic hyperplasia. [20]
  
2. **Discuss in brief:**
  - a. Role of Vasopressors and inotrops in the treatment of Shock. [10]
  - b. Pathophysiology and pharmacotherapy of diabetic foot. [10]
  - c. Antiplatelet drugs. [10]
  
3. **Write short notes on:**
  - a. Pharmacotherapy of Opioid dependence. [10]
  - b. Use of protective agents against toxicity associated with Cancer chemotherapy. [10]
  - c. Pramlintide. [10]

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