

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]
