

M.B.B.S. [2nd Prof.]

BF/2009/11

Pharmacology - A

M.M. : 40

Time : 3 Hours

Note : Attempt all questions.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. Enumerate the various routes of drug administration. Compare and contrast the advantages of Oral Vs. I.V. drug administration. [6]
2. **Discuss the Pharmacological basis of the uses of:**
 - a. Atropine in Preanesthetic medication. [2]
 - b. Neostigmine in Myasthenia gravis. [2]
 - c. Tamsulosin in Benign prostate hyperplasia. [2]
 - d. Ropinirole in Parkinsonism. [2]
3. Enumerate the various drugs used in the treatment of Epilepsy. Discuss the mechanism of actions, adverse effects of Phenytoin. [6]

PART - II

4. **Discuss the Pharmacological basis of uses of the following:**
 - a. Neostigmine in the reversal of Neuromuscular blockade by non-depolarising blockers. [2]
 - b. Nimodipine in Sub-arachnoid haemorrhage. [2]
 - c. Atropine in Organophosphate poisoning. [2]
 - d. GABA agonists/facilitators in Seizure control. [2]
5. **Outline the Pharmacological basis of management of:**
 - a. Status Asthmaticus. [3]
 - b. Anaphylactic shock. [3]
6. **Write short notes on:**
 - a. Non competitive drug receptor antagonism. [2]
 - b. Plasma protein binding of drugs. [2]
 - c. Receptor up and down regulation. [2]
