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Total No. of Pages : 02

Total No. of Questions : 06

M. Pharmacy (Pharmacology) (2017 &amp; Onwards) (Sem.-1)

**ADVANCED PHARMACOLOGY-I**

Subject Code : MPL-102T

M.Code : 74676

Time : 3 Hrs.

Max. Marks : 75

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

**1. Write notes on following :**

- a) Mechanism of action of general anesthetics. 5
- b) Biotransformation 5
- c) Antiplatelet drugs 5
2. a) Define neurotransmitters. What are the criteria for a chemical to be called a neurotransmitter? 6
- b) Discuss in detail glutamatergic transmission in CNS. What are the various glutamate receptors? 9
3. Answer why? **Any five :**
- a) ACE inhibitors cause dry cough. 3
- b) Antipsychotics cause extrapyramidal side effects 3
- c) Lag period with tricyclic antidepressants. 3
- d) Folic acid is called maturation factor 3
- e) Propranolol is used as antianxiety drug. 3
- f) Rivastigmine is used in Alzheimer's disease. 3

4.
  - a) Describe the physiological actions of histamine. Enumerate and discuss the clinical uses of antihistamines. 9
  - b) Briefly discuss about newer antiepileptics. 6
5.
  - a) Discuss the pathophysiology of Parkinson's disease. Write a note on Levodopa. 10
  - b) Define hypertension. What is the first line therapy for hypertension in pregnancy? Why? 5
6. Answer the following :
  - a) G protein coupled receptors. 5
  - b) Concept of linear compartment model 6
  - c) Statins 4

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**