

Roll No.

Total No. of Pages : 02

Total No. of Questions : 06

M. Pharmacy (Pharmacology) (2017 & 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.