

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 10**

**B.Pharma (2012 to 2016) (Sem.-5)**

## PHARMACOLOGY-I

**Subject Code : BPHM-503**

**M.Code : 70429**

**Time : 3 Hrs.**

**Max. Marks : 80**

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **FOUR** questions carrying **TEN** marks each and students have to attempt any **THREE** questions.

## SECTION-A

**1. Write in brief the following :**

- a) Define Prodrug with the help of example.
- b) Give two factors modifying drug absorption.
- c) Differentiate between tolerance and dependence.
- d) What is the significance of bioassay?
- e) Give two clinical uses of norepinephrine.
- f) Differentiate between synergism and antagonism.
- g) Define Clearance and give its formula.
- h) What is the clinical use of disulfiram?
- i) Give two disadvantages of intravenous route.
- j) Why Rofecoxib was withdrawn from the market?

- k) Give two ideal properties of general anesthetics.
- l) Name two atypical antipsychotics.
- m) Why Dopamine is given in combination with carbidopa?
- n) Define Pharmacogenetics.
- o) Give two adverse effects of tricyclic antidepressants.

### SECTION-B

- 2. Explain in detail the neurohumoral transmission in central nervous system.
- 3. Give the mechanism of action of :
  - a) Lidocaine
  - b) Tubocurarine
- 4. Explain the following drug interactions :
  - a) NSAIDs and high ceiling diuretics
  - b) MAO inhibitors and tyramine
- 5. Describe various factors modifying drug action.
- 6. Discuss general management of a poisoned patient.

### SECTION-C

- 7. Classify antiparkinsonian drugs. Explain mechanism of action and adverse effects of each category.
- 8. Write a note on following :
  - a) Atypical antipsychotics
  - b) Newer antiepileptics
- 9. Define Bioassay. Describe different types of bioassays.
- 10. Explain the mechanism of action, pharmacological actions, adverse effects and clinical uses of morphine.

**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.**