

Roll No.

Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2012 to 2016) (Sem.-6)
PHARMACEUTICAL CHEMISTRY-VI
(Medicinal Chemistry-I)
Subject Code : BPHM-601
M.Code : 71033

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. Answer briefly :**

- (a) Define the term bioisosterism.
- (b) What is meant by lead optimization?
- (c) Write the chemical structure and uses of Salbutamol.
- (d) What is catecholamine?
- (e) Explain cholinergic.
- (f) What are anticholinesterases?
- (g) Give chemical structure and uses of Pyridostigmine Bromide.
- (h) Outline the synthesis of Apomorphine.
- (i) What are antispasmodic drugs?
- (j) Outline the synthesis of Succinylcholine chloride.
- (k) What are eicosanoids?

(l) Give structure and uses of Sodium Cromoglycate.

(m) What are Antihistamines?

(n) Give structure and uses of Indomethacin.

(o) What are Analgesic-antipyretics?

SECTION-B

2. Discuss physicochemical aspects of drugs in relation to biological activity.
3. Write a short note on conventional methods of drug design.
4. What are adrenergic drugs? Discuss their Structure Activity Relationship.
5. What is acetylcholine? Write short note on neostigmine bromide.
6. Write a short note on Antiulcer drugs.

SECTION-C

7. Discuss in details the drug receptor interactions. What are fat soluble vitamins?
8. Give detailed account on nomenclature and biosynthesis of prostaglandins.
9. Discuss mode of action of antihistamines. Write in detail about chlorpheniramine.
10. What are Non-steroidal Anti-inflammatory agents? Discuss phenylbutazone in detail.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.