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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.

