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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2012 to 2016) (Sem.-7)
PHARMACEUTICAL CHEMISTRY-VII
(Medicinal Chemistry-II)
Subject Code : BPHM-704
M.Code : 71756

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS 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) Classify general anesthetics.
- b) Comment upon narcotic antagonist.
- c) Give synthesis of phenytoin.
- d) Give mechanism of action of Haloperidol.
- e) Why thiazide diuretics are referred as low efficacy agents.
- f) Mention the mechanism of action of hypolipidemic agents.
- g) What are site I diuretics?
- h) Give chemical name of nifedipine.
- i) Give the structure of estrogen.
- j) Comment upon role of theophylline.
- k) Classify opoid analgesics.
- l) Draw the structure of any one anticoagulant.
- m) Give the moa of isosorbide dinitrate.



- n) Write the structure and moa of chlorpromazine.
- o) Name any one opium alkaloid and give its use.

SECTION-B

- 2. Enumerate various steps involved in biosynthesis of cholesterol.
- 3. Comment upon stereochemistry of steroidal nucleus.
- 4. Discuss in detail moa and SAR of Phenothiazines.
- 5. Give moa, synthesis and uses of Lignocaine.
- 6. Classify sedatives. Comment upon hydantoins used as sedatives.

SECTION-C

- 7.
 - a) Outline the synthetic procedure of any one antianxiety agent.
 - b) Comment upon the chemistry of MAO inhibitors.
- 8.
 - a) Give detailed account of chemistry of cardiac glycosides.
 - b) What are antiarrhythmic agents. Classify.
- 9. Give the structure and therapeutic uses of following drugs :
 - a) Carbamazepine
 - b) Nitrazepam
 - c) Procaine
 - d) Lignocaine
 - e) Nikethemide
- 10. Explain the chemistry and SAR involved for various classes of opoid analgesics. Write down the synthesis for pentozacin.

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.