

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 10**

**B.Pharma (Sem.-7)**  
**PHARMACEUTICAL CHEMISTRY-VII (Medicinal Chemistry-II)**  
**Subject Code : BPHM-704**  
**M.Code : 71756**  
**Date of Examination : 16-12-22**

**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) Give the structure and uses of norethisterone.
- b) What are glucocorticoids?
- c) Give structure and uses of benzocaine.
- d) Give mode of action of local anaesthetics.
- e) Write structure and uses of nitrazepam.
- f) What are opioid antagonists?
- g) Define central nervous stimulants with example.
- h) Give the synthesis of phenytoin.
- i) Write pharmacological uses of pethidine.
- j) Give structure and uses of amitriptylline.
- k) Give examples of tricyclic antidepressants.

- l) Write mode of action of barbiturates.
- m) What are cardiac glycosides?
- n) Give examples of anticoagulants.
- o) Write the structure and uses of propranolol.

### **SECTION-B**

- 2. Write a note on oral contraceptives.
- 3. Discuss the biosynthesis of testosterone.
- 4. What are anticonvulsants? Explain benzodiazepines in detail.
- 5. Write a note on general anaesthetics.
- 6. Classify diuretics. Elaborate high ceiling diuretics in detail.

### **SECTION-C**

- 7. Classify opioid analgesics. Explain synthetic opioid analgesics in detail.
- 8. Write an exhaustive note on antitussives.
- 9. What are antihyperlipidemic drugs? Give their classification and pharmacological uses.
- 10. Give chemistry and pharmacological actions of antihypertensive agents.

**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.**