

Total No. of Pages : 02

Total No. of Questions : 10

B.Pharmacy (Sem.-6)
PHARMACOGNOSY-V
Subject Code : PHM-365
M.Code : 46156

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. Write short notes on :

- Write down biological source and medicinal uses of SENNOSIDES.
- Classify MONOTERPENES.
- Write down biological source and uses of ERGOT.
- Give therapeutic activities of PENICILLIN.
- What are QUASSINOIDS? Give two examples.
- Give biological source and structure of ATROPINE.
- Differentiate between α -carotene and β -carotene.
- Give biological source of any two plants containing medicinally important triterpenoids.
- Give structure and uses of EPHEDRINE.
- Give pharmacological activities of SARASAPOGENIN.
- Write down biological source and uses of RESERPINE.
- Compare diastereomers and enantiomers.

- m) Write down medicinal uses of Streptomycin.
- n) Describe isoprene rule.
- o) What are LIGNANS?

SECTION-B

- 2. Discuss the chemistry of CITRAL.
- 3. Write a short note on Vitamin A.
- 4. Give chemistry and pharmacological actions of Cardiac glycosides.
- 5. Explain the chemistry of FLAVONOIDS.
- 6. Discuss the role of UV and IR spectroscopy in structure elucidation of natural compounds.

SECTION-C

- 7. Write in detail chemistry and therapeutic activities of Tetracyclines.
- 8. Discuss the concept of stereochemistry taking suitable examples of natural products.
- 9. Write short notes on :
 - a) Xanthophylls
 - b) Chemistry of MORPHINE
- 10. Describe chemistry and pharmacological activities of QUININE.

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.