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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 :**

- a) Write down biological source and medicinal uses of SENNOSIDES.
- b) Classify MONOTERPENES.
- c) Write down biological source and uses of ERGOT.
- d) Give therapeutic activities of PENICILLIN.
- e) What are QUASSINOIDS? Give two examples.
- f) Give biological source and structure of ATROPINE.
- g) Differentiate between α -carotene and β -carotene.
- h) Give biological source of any two plants containing medicinally important triterpenoids.
- i) Give structure and uses of EPHEDRINE.
- j) Give pharmacological activities of SARASAPOGENIN.
- k) Write down biological source and uses of RESERPINE.
- l) 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.

