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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharm (2012 to 2016) (Sem.-6)

**PHARMACOGNOSY-V**

Subject Code : BPHM-604

M.Code : 71036

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 the following :**

- a) What are Lignans?
- b) Give chemical constituents and uses of Ergot.
- c) Classify Glycosides.
- d) What are uses of Monoterpenoids?
- e) Give structure and uses of Camphor.
- f) Name the product formed after reacting Menthol with 2% sulphuric acid.
- g) What are Apo-carotenoids?
- h) Describe Optical isomerism.
- i) What is relationship between Quinine and Quinidine?
- j) Give pharmacological actions of Flavonoids.
- k) How will you identify methoxy group in Terpenoids?



- l) Discuss isomerism of Citral.
- m) Classify Monoterpenoids.
- n) Give pharmacological actions of Quassinoids.
- o) Discuss isoprene rule.

#### SECTION-B

2. Explain the concept of stereoisomerism in relation to natural products.
3. Describe chemistry and pharmacological activity of Ephedrine.
4. Describe chemistry of Xanthophylls.
5. Explain chemistry of Flavonoids.
6. Describe chemistry of Menthol.

#### SECTION-C

7. Describe chemistry and pharmacological activity of Atropine.
8. Describe chemistry and pharmacological activity of Digitoxin.
9. Write notes on chemistry of :
  - a) Zingiberene
  - b) Sennosides
10. Explain chemistry and therapeutic activity of Streptomycin.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**