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Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy (Pharmacognosy) (2017 & Onwards) (Sem.-1)

PHYTOCHEMISTRY

Subject Code : MPG-103T

M.Code : 74671

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. a) Discuss how glycosides are biosynthesised in and isolated from plants? (8)
b) "*Vinca alkaloids are medicinally as well as commercially important*". Justify this statement. (7)
2. a) How can drugs be discovered from plants? Give suitable examples. (8)
b) Write a note on clinical trial of a traditional drug. (7)
3. Describe the various methods of isolation and characterization of alkaloids from a plant. (15)
4. Write notes on :
a) Importance of fingerprint analysis of plant extracts. (6)
b) Biosynthesis and pharmacological importance of Umbelliferone. (6)
c) Preparative chromatography. (3)
5. a) "*Hyphenated techniques have made research in natural products easier*". Justify with appropriate examples. (7)
b) Describe UV and IR spectras of Menthol and Caffeine. (8)
6. Write notes on the following :
a) Selection of method and solvent for extraction of phytoconstituents. (5)
b) Cucurbitacins (5)
c) Flash chromatography (5)

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.

