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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.