

Roll No.

Total No. of Pages :01

Total No. of Questions : 06

M.Pharmacy(Pharmacognosy) (Sem.-2)

ADVANCED PHARMACOLOGY-II

Subject Code :MPG-202T

M.Code :74950

Date of Examination : 06-07-22

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. Describe various DNA fingerprinting techniques used in identification of drugs of natural origin. 15
2. Differentiate between Herbal vs. Conventional drugs. Why it is difficult to establish efficacy of herbal medicinal products than synthetic drugs? 15
3. Define Ethnobotany. Discuss the role of ethnobotany in herbal drug evaluation and development. 15
4. Describe analytical profiles of
 - a) *Embelica officinalis* 08
 - b) *Boswellia serrata* 07
5.
 - a) Explain *in vitro* methods for evaluation of antimicrobial activity of herbal drugs. 07
 - b) Explain OECD guidelines for toxicity studies of herbal drugs. 08
6. Write short notes on:
 - a) *In vivo* evaluation of antidiabetic activity. 05
 - b) Detection of heavy metals. 05
 - c) Pharmacodynamic issues related to herbal medicines. 05

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.