Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy (Pharmacognosy)   (Sem.–2)
ADVANCED PHARMACOGNOSY-II
Subject Code : MPG-202T
M.Code : 74950
Date of Examination : 19-12-2022

Time : 3 Hrs.   Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :
1.   **Attempt any FIVE questions out of SIX questions.**
2.   **Each question carries FIFTEEN marks.**

l.   a)   Discuss important *invitro* techniques to evaluate anticancer and antioxidant activity of herbal drugs. (8)

b)   Give the analytical profile of *Coleus forskholii* and *Androgrpahis paniculata.* (7)

2.   a)   What do you understand by the term 'Bio-prospecting'? What are various bio-prospecting tools for drug discovery? (7)

b)   Explain the technique DNA finger printing and its role in identification of herbal drugs. (8)

3.   Write an elaborated note on adulteration and its types with suitable examples. (15)

4.   a)   Write a note on the toxicity studies of herbal drugs according to OECD guidelines. (8)

b)   Elaborate on various pharmacodynamic and pharmacokinetic issues of herbal remedies. (7)

5.   **Write a note on the following:**

a)   Ethnobotany and its role in drug evaluation (5)

b)   Pesticide residues in herbal drugs (5)

c)   Determination of foreign matter. (5)

6.   Elaborate on *in-vivo* screening techniques for evaluation of anti-inflammatory and antidiabetic plant drugs. (15)

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.