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**M.Pharmacy(Pharmacognosy) (Sem.-2)****ADVANCED PHARMACOGNOSY-II****Subject Code : MPG-202T****M.Code : 74950****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) What is the difference between an herbal drug and a plant derived conventional drug? (5)  
b) Describe how validation of a traditional herbal remedy is carried out? (10)
2. a) What is adulteration and substitution of herbal drugs? (5)  
b) Describe how 'sampling' is done for testing crude drugs? (5)  
c) How does DNA fingerprinting help in identification of herbal drugs? (5)
3. a) What is Ethnobotany and Ethnopharmacology? (7)  
b) Write a detailed note on new development herbal drugs. (8)
4. Give a detailed account on sources, analytical profiles and uses of the following :  
a) *Boswellia serrata* (8)  
b) *Emblica officinalis* (7)
5. a) How will you carry out screening of plants for anti-cancer activity? (10)  
b) Give the principle and procedure of 2 commonly used in-vitro tests used to determine the anti-oxidant activity of plant extracts. (5)
6. Write descriptive notes on :  
a) Toxicity studies for herbal extracts (7)  
b) Need for phyto-pharmacological screening (8)

**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.**

