

**SUPPLEMENTARY**  
**MASTER OF PHARMACY (M. PHARM.) (CBCS-2019 COURSE)**  
**M.Pharm. Sem-II PHARMACOGNOSY :SUMMER- 2022**  
**SUBJECT : ADVANCED PHARMACOGNOSY-II**

Day : Friday

Time : 10:00 AM-01:00 PM

Date : 16-09-2022

**S-20775-2022**

Max. Marks : 75

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**N.B :**

- 1) **Q. No. 1 and Q. No.5** are **COMPULSORY**. Out of the remaining questions Solve **ANY TWO** questions from each section.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Answers to both sections should be written in **SEPARATE** answer books.
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**SECTION - I**

- Q.1** Discuss different issues related to pharmacodynamics and pharmacokinetics of herbal drugs. **[08]**
- Q.2** What are different types of adulteration of herbal drugs? Add note on heavy metal contamination of herbal drugs. **[15]**
- Q.3** What is ethanobotany? Comment on role of ethanopharmacology in bio-prospecting. **[15]**
- Q.4** Discuss analytical profile of **ANY TWO** drugs: **[15]**
- a) *Andrographis paniculata*
  - b) *Curcuma longa*
  - c) *Psoralea corylifolia*

**SECTION – II**

- Q.5** Comment on importance of biological screening on herbal drugs. **[07]**
- Q.6** Discuss *in vitro* evaluation of antioxidant activity and anti-microbial activities. **[15]**
- Q.7** Explain the protocol for *in vivo* evaluation of anti-cancer activity. **[15]**
- Q.8** Write short notes on **ANY TWO** of the following. **[15]**
- a) Toxicity studies as per OECD guidelines
  - b) Evaluation of Antidiabetic activity
  - c) Detection of pesticide residues in herbs

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