

**M. PHARM. SEM-II (CHOICE BASED CREDIT & GRADE SYSTEM)**

**: SUMMER - 2018**

**SUBJECT : ADVANCED PHARMACOGNOSY - III**

Day : **Thursday**  
Date : **05/07/2018**

**S-2018-4008**

Time : **10.00 AM to 01.00 PM**  
Max. Marks. **60**

**N.B.**

- 1) There are **FOUR** questions in each section. Attempt any **THREE** questions from each section.
- 2) Answers to the two sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.

**SECTION – I**

- Q.1** Write in detail method of isolation of gingerol and its HPLC and HPTLC standardization. (10)
- Q.2** Which are different techniques for preparation of plant extracts? Write note on chemical markers. (10)
- Q.3** Write in detail various international regulatory guidelines for herbal drugs. (10)
- Q.4** Write elaborate note (10)
- a) Isolation of curcuminoids
  - b) Stability studies of herbal products

**SECTION – II**

- Q.5** Enumerate few examples of herbal drugs used in skin care cosmetics. Emphasize on their cosmetic value. (10)
- Q.6** Enlist various equipment's utilized in herbal industries. Describe with flow chart how the processing of herbal drug formulation is done. (10)
- Q.7** Give in details case study of drugs exhibiting herb drug interaction. (10)
- Q.8** Write a short note on **ANY TWO** (10)
- a) Hair care cosmetics
  - b) Standardization of Ayurvedic formulations

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