

# C.U.SHAH UNIVERSITY

## Summer Examination 2019

**Subject Name:** Pharmacognosy-VII**Subject Code:** 4PS08COG1**Branch:** B.Pharm**Semester:** 8**Date :** 26/04/2019**Time :** 10:30 To 01:30**Marks :** 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

- Q-1 Define the following terms (14)**
- a) Extraction
  - b) Standardization
  - c) Immunomodulators
  - d) Schedule T
  - e) Quality management system
  - f) ISO-9000
  - g) Super critical extraction
  - h) cGMP
  - i) Beta-carotene
  - j) Ultrasound assisted extraction
  - k) Counter current extraction
  - l) Glycyrrhetic acid
  - m) Terpenoids
  - n) Podophyllotoxin

**Attempt any four questions from Q-2 to Q-8**

- Q-2 Attempt all questions (14)**
- a. Write down the various modern extraction techniques for obtaining herbal extract (7)
  - b. Enumerate different parameter for standardization of herbal extract. Describe any one in details (7)
- Q-3 Attempt all questions (14)**
- a. Define and classify the chromatographic techniques used for evaluation of Herbal drug (7)
  - b. Write application of TLC and HPTLC for evaluation of herbal drugs (7)
- Q-4 Attempt all questions (14)**
- a. Discuss about requirement of infrastructure, staff and equipments for herbal drug industry (7)
  - b. Write method of isolation of atropine and curcumin (7)
- Q-5 Attempt all questions (14)**
- a. Describe method for preparation of Turmeric and Garlic extracts (7)
  - b. Define and give importance of phytopharmacovigilance, estimation in herbal drug industry (7)



- Q-6**      **Attempt all questions**      **(14)**
- a. Describe a suitable method for isolation and estimation of ephedrine      (7)
  - b. Describe a suitable method for isolation of penicillin      (7)
- Q-7**      **Attempt all questions**      **(14)**
- a. Write a note on Research and development and pilot scale up techniques      (7)
  - b. Write Pharmacognosy of any one drug useful to improve memory power      (7)
- Q-8**      **Attempt all questions**      **(14)**
- a. Explain in short the Pharmacognosy of anti-asthmatic drug      (7)
  - b. Enumerate the anticancer drugs with their sources and utilization      (7)

