

# C.U.SHAH UNIVERSITY

## Summer Examination-2017

**Subject Name : Pharmacognosy-VII**

**Subject Code : 4PS08COG1**

**Branch :B.Pharm**

**Semester : 8**

**Date : 24/04/2017**

**Time : 02:30 To 05:30**

**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.
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**Q-1 Attempt the following questions: (14)**

Write the uses of following terms:

- a) Galenicals
- b) Percolation
- c) Maceration
- d) Soft extracts
- e) Mayer's reagent
- f) Legal test
- g) Tollen's test
- h) Tollen's test
- i) Dragendorff's reagent
- j) Rutin
- k) Oleoresins
- l) Alkaloids
- m) Phytopharmacovigilance
- n) Natural product

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

**Q-2 Attempt all questions (14)**

- a) Enlist the WHO recommended guidelines and procedures for standardization. Explain any two of them. (7)
- b) Explain the qualitative chemical test for glycosides. (7)

**Q-3 Attempt all questions (14)**

- a) Describe the preparation of standardized plant extract with their principle of extraction, chemical constituents and uses of Garlic. (7)
- b) Describe Gas-Liquid chromatography with the help of herbal neat labeled diagram and its use in analysis of different herbal drug. (7)



- Q-4**                    **Attempt all questions**                    **(14)**
- a) Describe the preparation of standardized plant extract with their principle of extraction, chemical constituents and uses of Ashwagandha.                    **(7)**
- b) Describe the isolation, identification and analysis of Sennoside.                    **(7)**
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- Q-5**                    **Attempt all questions**                    **(14)**
- a) Describe the various techniques of extraction.                    **(7)**
- b) Describe the isolation, identification and analysis of Penicillin.                    **(7)**
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- Q-6**                    **Attempt all questions**                    **(14)**
- a) Describe the isolation, identification and analysis of Quinine.                    **(7)**
- b) Discuss in detail schedule T with reference to herbal drug industry.                    **(7)**
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- Q-7**                    **Attempt all questions**                    **(14)**
- a) Describe the isolation, identification and analysis of Caffeine.                    **(7)**
- b) Describe Gas-Liquid chromatography with the help of herbal neat labeled diagram and its use in analysis of different herbal drug.                    **(7)**
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- Q-8**                    **Attempt all questions**                    **(14)**
- a) Describe the minimum requirements for adverse drug reactions.                    **(7)**
- b) Write a short note on Marines as a source of anti-cancer agents.                    **(7)**

