

Second Year Pharm, D. Summer-2019

SUBJECT:-PHARMACOGNOSY AND PHYTOPHARMACEUTICALS

Day : Friday

Date : 12-04-2019

Time: 02:00 P.M. TO 5:00 P.M.

Max. Marks: 70

S-2019-4507

**N. B.**

- 1) Question 1 and 5 are **COMPULSORY**. Out of remaining solve **ANY TWO** from each section
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPERATE** answer book.

**SECTION – I**

- Q.1 A) Solve any four (08)**
- i) Enlist different cell inclusions.
  - ii) Give advantages of taxonomic classification.
  - iii) Write advantages of drying of crude drug.
  - iv) What is best time for collection of flower?
  - v) Effect of soil on plant growth.
- B) What is effect of altitude on plant growth? (03)**
- Q.2 Explain in detail factors affecting cultivation of crude drug. (12)**
- Q.3 a) Describe in detail history and scope of Pharmacognosy (07)**  
**b) Write a note on natural pesticides. (05)**
- Q.4 Write notes on any three (12)**
- a) Microscopic examination of crude drug.
  - b) Propagation of medicinal plants.
  - c) Storage of crude drug.
  - d) Garbling.

**SECTION – II**

- Q.5 A) Solve Any Four (08)**
- i) Give uses of gum ghatti.
  - ii) Write chemistry of starch.
  - iii) What is sophistication and inferiority.
  - iv) Give biological source and uses of agar.
  - v) Give biological source and uses of isapgol.
- B) Write chemistry of proteins. (03)**
- Q.6 What are carbohydrates? Give classification, properties and chemical test for carbohydrates. (12)**
- Q.7 a) What is adulteration? Write methods of detection of adulteration. (07)**  
**b) Give classification of lipids with suitable examples. (05)**
- Q.8 Write notes on Any Three (12)**
- a) Honey
  - b) Olive oil
  - c) Neem
  - d) Bees wax