

FINAL YEAR B.PHARM. SEMESTER-VII (2011 Course) :

SUMMER - 2019

SUBJECT : PHARMAOGNOSY – III

Day : Thursday

Time : 02.00 PM TO 05.00 PM

Date : 09/05/2019

Max. Marks : 80

S-2019-4460

N.B.:

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

SECTION – I

Q.1 Answer any **FIVE** of the following **(10)**

- a) Differentiate between Monoterpenes and Sesquiterpenes
- b) Give chemical tests for Tannins
- c) Give the biological source, chemical constituents and uses of Orange
- d) Give the biological source, chemical constituents and uses of St. John's Wort
- e) Compare Sumatra Benzoin and Siam Benzoin
- f) Give therapeutic uses of Ginko

Q.2 a) Define flavonoids, classify them and explain biosynthetic pathway **(08)**

b) Write an exhaustive note on Psoralea. **(07)**

Q.3 a) Give the pharmacognostic details of Turmeric. **(08)**

b) Give the pharmacognostic details of Aloe. **(07)**

Q.4 Attempt any **THREE** of the following. **(15)**

- a) Black catechu
- b) Podophyllum
- c) Cranberry
- d) TS of Ginger

SECTION – II

Q.5 Answer any **FIVE** of the following **(10)**

- a) Compare between volatile oils and fixed oils.
- b) Give the significance and test of caffeine.
- c) Give the biological source, chemical constituents and uses of Colchium.
- d) Draw the well labeled diagram of Soxhlet apparatus.
- e) Compare true alkaloids and pseudoalkaloids
- f) Define Ecuelle.

Q.6 a) Define and classify glycosides. Write an exhaustive note on Digitalis. **(08)**

b) Classify terpenoids. Give the pharmacognostic details of Dill. **(07)**

Q.7 a) Define and classify alkaloids. Write an exhaustive note on Ephedra. **(08)**

b) Give the pharmacognostic details of Cinchona and explain its extraction protocol **(07)**

Q.8 Attempt any **THREE** of the following. **(15)**

- a) Give the pharmacognostic details of Vinca
- b) Black pepper
- c) Tea
- d) Aconite

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