

SUBJECT : PHARMAOGNOSY – III

Day : - Tuesday

W-2018-4145

Time : 02.00 PM TO 05.00 PM

Date : 27/11/2018

Max. Marks : 80

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 Sumatra Benzoin and Siam Benzoin.
 - b) Give chemical tests for Senna.
 - c) Give the biological source, chemical constituents and uses of Silymarin
 - d) Give the biological source, chemical constituents and uses of Henna.
 - e) Give therapeutic uses of Pale catechu
 - f) Give general tests for glycoside.
- Q.2** a) Describe flavonoids and classify them with suitable examples. Give the biosynthetic pathway of flavonoids. (08)
- b) Write an exhaustive note on Aloe (07)
- Q.3** a) Give the pharmacognostic details of Ginger (08)
- b) Give the pharmacognostic details of Hirda (07)
- Q.4** Attempt any **THREE** of the following. (15)
- a) Podophyllum
 - b) Turmeric
 - c) Rosemarry
 - d) Citrus fruits

SECTION – II

- Q.5** Answer any **FIVE** of the following (10)
- a) Compare with examples between volatile oils and fixed oils.
 - b) Give the significance of Dragondrof's test.
 - c) Give the biological source, chemical constituents and uses of Arnica.
 - d) Explain Soxhlet apparatus.
 - e) Compare true alkaloids and protoalkaloids
 - f) Define enflurage.
- Q.6** a) Define and classify glycosides. Write an exhaustive note on Licorice. (08)
- b) Classify terpenoids. Give the pharmacognostic details of Clove. (07)
- Q.7** a) Define and classify alkaloids. Write an exhaustive note on Ergot. (08)
- b) Give the pharmacognostic details of Rauwolfia and explain its extraction protocol. (07)
- Q.8** Attempt any **THREE** of the following. (15)
- a) Give the pharmacognostic details of Vinca.
 - b) TS of Ephedra
 - c) Black pepper
 - d) Cinchona