

T.Y.B.PHARM. SEMESTER-V (CBCS - 2015 COURSE) :

WINTER - 2017

SUBJECT: PHARMACOGNOSY - II

Day : **Saturday**
Date : **18/11/2017**

Time: **10.00 AM TO 01.00 PM**
Max. Marks: **60**

W-2017-3804

N. B.:

- 1) **Q. No. 1 and Q. No. 5 are COMPULSORY.** Out of the remaining attempt any **TWO** questions from each section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw neat and labeled diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** Attempt any **FIVE** questions: **(10)**
- a) Differentiate between true alkaloids and proto alkaloids.
 - b) What is murexide test?
 - c) Give biological source, chemical constituents and used of Psoralea.
 - d) Draw chemical structure of anthrone and oxanthrone.
 - e) Give biological source, chemical constituents and uses of Aconite.
 - f) Give general physical and chemical properties of alkaloids.
- Q.2** a) Define alkaloids. Classify them and explain general extraction protocol of alkaloids. **(05)**
- b) Give pharmacognostic details of Cinchona. **(05)**
- Q.3** a) Define glycoside. Classify them and give pharmacognostic details of Senna. **(05)**
- b) What are saponins? Write exhaustive note on Liquorice. **(05)**
- Q.4** Write short notes on any **TWO** of the following: **(10)**
- a) Draw transverse section of Ephedra
 - b) Differentiate between Indian Senna and Alexandrian Senna
 - c) Life cycle of Ergot

SECTION-II

- Q.5** Attempt any **FIVE** questions: **(10)**
- a) What is Mother clove?
 - b) Give biological source, chemical constituents and uses of Colophony.
 - c) Define Enlfrage.
 - d) Write uses of Marine toxins.
 - e) What are condensed tannins?
 - f) Give biological source, chemical constituents and uses of Male fern.
- Q.6** a) What are terpenoids? Give pharmacognostic details of Coriander. **(05)**
- b) Write exhaustive note on Marine cytotoxic drugs. **(05)**
- Q.7** a) Define tannins. Classify them and give pharmacognostic details of Ashoka bark. **(05)**
- b) Draw transverse section of Ginger rhizome. **(05)**
- Q.8** Write short notes on any **TWO** of the following: **(10)**
- a) Draw transverse section of Syzygium aromaticum flower bud
 - b) Explain adulterants of Caraway
 - c) Papain