

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

WINTER - 2017

SUBJECT: PHARMACOGNOSY- III

Day: Tuesday
Date: 21/11/2017

Time: 02.00 PM TO 05.00 PM

Max. Marks: 80

W-2017-3848

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 books.
- 4) Draw neat and labelled diagram **WHEREVER** necessary.

SECTION-I

- Q.1** Answer any **FIVE** of the following: **(10)**
- a) Differentiate between Hydrolysable and Condensed tannins.
 - b) Give chemical test for Flavonoids.
 - c) Give biological source and chemical constituents of Silymarin.
 - d) Give biological source and chemical constituents of Cranberry.
 - e) Give biological source and chemical constituents of Henna.
 - f) Give therapeutic uses of Lemon.
- Q.2** a) Write an exhaustive note on Psoralea **(08)**
b) Give the general biosynthetic pathway of Phenolics. **(07)**
- Q.3** a) Give pharmacognostic details of Turmeric. **(08)**
b) Give pharmacognostic details of Podophyllum. **(07)**
- Q.4** Attempt any **THREE** of the following: **(15)**
- a) Discuss T S of Ginger.
 - b) Differentiate between Pale catechu and Black catechu.
 - c) Give pharmacognostic details of Ginkgo.
 - d) Sumatra benzoin.

SECTION-II

- Q.5** Answer any **FIVE** of the following: **(10)**
- a) What are Pseudo alkaloids?
 - b) Differentiate between True alkaloids and Biological amines.
 - c) Draw diagram of Clavenger apparatus
 - d) Give biological source and chemical constituents of Valerian.
 - e) Give biological source and chemical constituents of Coleus.
 - f) Define Eculle?
- Q.6** a) Define alkaloids and give their biological classification **(08)**
b) Give pharmacognostic details of Opium and explain its extraction protocol. **(07)**
- Q.7** a) Define volatile oils. Give biosynthetic pathway and classification of terpenoids **(08)**
b) Give pharmacognostic details of Clove **(07)**
- Q.8** Attempt any **THREE** of the following: **(15)**
- a) Give pharmacognostic details of Colchicum.
 - b) Draw transverse section of Rauwolfia.
 - c) Ergot.
 - d) Purine alkaloid.

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