

SUBJECT: PHARMACOGNOSY – II

Day : Saturday

Time: 10.00 A.M. TO 01.00 P.M.

Date : 24/11/2018

W-2018-4089

Max. Marks: 60

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.
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SECTION-I

- Q.1** Answer any **FIVE** of the following: (10)
- a) Classify glycosides with suitable examples.
 - b) Compare true and pseudo-alkaloids with examples.
 - c) Give the biological source chemical constituents and uses of Cinchona.
 - d) Give the biological source chemical constituents and uses of Liquorice.
 - e) Give the biological source chemical constituents and uses of Mentha.
 - f) Give the biological source chemical constituents and uses of Pilocarpus.
- Q.2** a) Give pharmacognostical details of crude drug Senna. (06)
b) Give pharmacognostical details of crude drug Psoralea. (04)
- Q.3** a) Give pharmacognostical details of crude drug Opium. (06)
b) Give pharmacognostical details of crude drug Colchicum. (04)
- Q.4** Attempt any **TWO** of the following: (10)
- a) Amino Alkaloids
 - b) Cardiac glycoside
 - c) Purine alkaloids
 - d) Squill

SECTION-II

- Q.5** Answer any **FIVE** of the following: (10)
- a) What is ecuelle?
 - b) Give the chemical test for tannins.
 - c) Differentiate between Pale catechu and Black catechu.
 - d) Give biological source, chemical constituents and uses of Capsicum.
 - e) Give biological source, chemical constituents and uses of Myrrh.
 - f) Give biological source, chemical constituents and uses of Shellac.
- Q.6** a) Give pharmacognostical details of crude drug Fennel. (06)
b) Give pharmacognostical details of crude drug Ginger. (04)
- Q.7** a) Write exhaustive note on marine toxins (06)
b) Give biosynthetic pathway for volatile oils. (04)
- Q.8** Attempt any **TWO** of the following: (10)
- a) Guggul
 - b) Thaumatin
 - c) Tolu balsam
 - d) Yew