

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

**SUMMER - 2018**

**SUBJECT: PHARMACOGNOSY – II**

Day : **Friday**

Time: **10.00 AM TO 01.00 PM**

Date : **04/05/2018**

**S-2018-3931**

Max. Marks: 60

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**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) Define Alkaloids and give general tests for Alkaloids.
  - b) Define glycoside.
  - c) Give the biological source chemical constituents and uses of Colchicum.
  - d) Give the biological source chemical constituents and uses of Aloe.
  - e) Give the biological source chemical constituents and uses of Pilocarpus.
  - f) Compare true and pseudo-alkaloids with examples.
- Q.2** a) Give pharmacognostical details of crude drug Ephedra. **(06)**  
b) Give pharmacognostical details of crude drug Mustard. **(04)**
- Q.3** a) Give pharmacognostical details of crude drug Rauwolfia. **(06)**  
b) Give pharmacognostical details of crude drug Wild cherry bark. **(04)**
- Q.4** Attempt any **TWO** of the following: **(10)**
- a) Ergot Alkaloids
  - b) Cardiac glycoside
  - c) Belladonna
  - d) Opium

**SECTION-II**

- Q.5** Answer any **FIVE** of the following: **(10)**
- a) What is essential oil?
  - b) Give biological source, chemical constituents and uses of Shellac.
  - c) Differentiate between hydrolysable and non hydrolysable tannins.
  - d) Give biological source, chemical constituents and uses of Coleus.
  - e) Give biological source, chemical constituents and uses of Male fern.
  - f) Give the chemical test for tannins.
- Q.6** a) Give pharmacognostical details of crude drug Ginger. **(06)**  
b) Give pharmacognostical details of crude drug Garlic. **(04)**
- Q.7** a) Write exhaustive note on cardio active drugs from marine source. **(06)**  
b) Give biosynthetic pathway for volatile oils. **(04)**
- Q.8** Attempt any **TWO** of the following: **(10)**
- a) Bromelin
  - b) Pale catechu
  - c) Papain
  - d) Camphor

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