

SECOND YEAR PHARM. D. : SUMMER - 2018

SUBJECT : PHARMACOGNOSY & PHYTOPHARMACEUTICALS

Day : Tuesday

Time : 2:00 P.M. TO 5:00 P.M.

Date : 10-04-2018 S-2018-4028

Max. Marks : 70

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** A) Answer **ANY FOUR** of the following: [08]
- i) Define crude drugs. Give two examples of origin mineral.
 - ii) How is chemical classification of crude drug done? Explain with suitable examples.
 - iii) Explain the difference between organized and organized drugs with suitable examples.
 - iv) Write significance of saponification value.
 - v) Give two examples of alkaloidal drugs.
- B) Describe in brief agricultural pest control. [03]
- Q.2** a) Describe in detail classification of Carbohydrates. [07]
b) Write a note on gum tragacanth. [05]
- Q.3** a) What are leaf constants? Give their significance. [07]
b) Write various methods of cultivation. [05]
- Q.4** Write short notes on **ANY THREE** of the following: [12]
- a) Analytical parameters of lipids
 - b) Storage of crude drugs
 - c) Honey
 - d) Plant fibres

SECTION - II

- Q.5** A) Answer **ANY FOUR** of the following: [08]
- i) What are secondary metabolites?
 - ii) Give classification of proteins.
 - iii) What is alphabetical classification of crude drug?
 - iv) Write difference between gums and mucilage.
 - v) What are Weedicides?
- B) Describe in detail processing of crude drugs. [03]
- Q.6** a) Write in detail about chemistry of lipids. [07]
b) Describe scope of Pharmacognosy. [05]
- Q.7** a) Enlist factors affecting cultivation. [07]
b) Explain Adulteration of crude drugs. [05]
- Q.8** Write short notes on **ANY THREE** of the following: [12]
- a) Plant cell constituents
 - b) History of Pharmacognosy
 - c) Caster oil
 - d) Plant cell wall

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