

**SECOND YEAR PHARM. D (SUPPLEMENTARY) : SUMMER - 2018**  
**SUBJECT : PHARMACOGNOSY & PHYTOPHARMACEUTICALS**

Day : **Wednesday**  
Date : **04/07/2018**

**S-2018-4057**

Time : **02.00 P.M. TO 05.00 PM**  
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) What are crude drugs? Give examples of Marine Origin.
  - ii) What is biological classification? Give examples.
  - iii) Define and differentiate between cultivation and collection.
  - iv) What are waxes? Give two examples.
  - v) What are insecticides? Give examples.
- B)** Enlist various plant fibres used in surgical dressing. [03]
- Q.2 a)** Define Carbohydrates. Give classification, properties and chemistry of carbohydrates. [07]
- b)** Write a detailed note on scope of Pharmacognosy. [05]
- Q.3 a)** Give the detailed account on various cell constituents. Elaborate your answer with well labeled diagram. [07]
- b)** Give in details classification of lipids. [05]
- Q.4** Write short notes on **ANY THREE** of the following: [12]
- a) Tests for proteins
  - b) Compare sophistication and admixture
  - c) Acacia
  - d) Leaf constants

**SECTION – II**

- Q.5 A)** Answer **ANY FOUR** of the following: [08]
- i) Give the biological source and chemical constituents of Tragacanth.
  - ii) Define waxes.
  - iii) What is PUFA and MUFA?
  - iv) Give biological sources and uses of cod liver oil.
  - v) What is stomatal index? Give its significance.
- B)** Enlist analytical parameters for lipids. [03]
- Q.6 a)** Describe factors affecting cultivation of crude durgs. [07]
- b)** Write a note on drying and storage of crude drug. [05]
- Q.7 a)** Describe various methods of evaluation of crude drugs. [07]
- b)** Discuss chemical classification of crude drugs. [05]
- Q.8** Write short notes on **ANY THREE** of the following: [12]
- a) Ash values
  - b) Secondary metabolites
  - c) Pectin
  - d) Honey

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