

**S.Y.B.PHARM. SEMESTER-IV (CBCS - 2015 COURSE) :**

**SUMMER - 2018**

**SUBJECT : PHARMACOGNOSY – I**

Day : **Friday**  
Date : **04/05/2018**

**S-2018-3925**

Time : **02.00 PM TO 05.00 PM**  
Max. Marks : 60

**N.B.**

- 1) Q.1 and Q.5 are **COMPULSORY**. Out of the remaining **THREE** questions solve any **TWO** questions.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

**SECTION – I**

- Q.1** Answer any **FIVE** questions: (10)
- a) Which are different types of soils?
  - b) What is bhasma?
  - c) What is main principle of Kampo system?
  - d) Which are different quality control parameters for Asawa.
  - e) Which are different natural auxins?
  - f) Write advantages of chemical classification.
- Q.2** a) What is drying? Write in detail advantage and disadvantage of different methods of drying of crude drug. (07)
- b) Differentiate Primary and Secondary metabolites. (03)
- Q.3** a) Explain Homoeopathic drug proving. Write in detail. (05)
- b) Which are different factors influencing cultivation of medicinal plants. (05)
- Q.4** Answer any **TWO** of the following: (10)
- a) Shikkinic acid pathway
  - b) Mevalonic acid pathway
  - c) Significance of Pharmacognostic parameter

**SECTION – II**

- Q.5** Answer any **FIVE** questions: (10)
- a) Write biological source and main chemical constituent of Kokum butter.
  - b) Write methods of preparation of Shark liver oil.
  - c) What are uses of carotenoids?
  - d) What is PUFA?
  - e) Which are different uses of Guar gum?
  - f) Write chemical constituents of Bees wax.
- Q.6** a) What are carbohydrates? Write classification, biosynthesis, chemical tests for carbohydrates. (07)
- b) Write pharmacognostic account of Rice bran oil. (03)
- Q.7** a) What are lipids? Write classification of lipids. (05)
- b) Write pharmacognostic account of Starch. (05)
- Q.8** Answer any **TWO** of the following: (10)
- a) Caster oil
  - b) Neem oil
  - c) Isapgol

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