

**BACHELOR OF PHARMACY (B. PHARM.) (CBCS - 2015 COURSE)**

**Final Year B. Pharm. Sem-VII :SUMMER- 2022**

**SUBJECT : PHARMACOGNOSY-IV**

Day : Tuesday

Time : 02:00 PM-05:00 PM

Date : 19-07-2022

**S-13723-2022**

Max. Marks : 60

**N.B.:**

- 1) **Q. No.1 and Q.No.5 are COMPULSORY.** Out of remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

**SECTION – I**

- Q.1** Attempt **ANY FIVE** of the following: [10]
- a) Write biological source of Olive.
  - b) What are nutraceuticals? Give two examples.
  - c) What is functional food?
  - d) Give any four examples of immunomodulators from plant origin.
  - e) Write biological source of Aloe.
  - f) Write biological source of Chandan.
- Q.2** a) Describe Food Safety Standard Authority of India. [07]  
b) Write note on oral bioavailability enhancer. [03]
- Q.3** a) Explain in detail DSHEA and its effect on herbal drugs with suitable examples. [07]  
b) Which are different agents used for protection against radiation? [03]
- Q.4** Write short notes on **ANY TWO** of the following: [10]
- a) Cosmetic potential of Haldi
  - b) Role of AYUSH
  - c) Hair care products

**SECTION – II**

- Q.5** Attempt **ANY FIVE** of the following: [10]
- a) What is lead optimization?
  - b) Name any four natural coloring agent.
  - c) Write biological source of Vinca.
  - d) Write biological source of Taxus.
  - e) Which are different natural sweeteners? Name any four.
  - f) Write any two herb drug interaction.
- Q.6** a) Which are different steps in drug discovery from natural sources? [07]  
b) Explain therapeutic profile of Digoxin. [03]
- Q.7** a) Describe in detail pharmacovigilance of herbal drugs. [07]  
b) Write note on natural liver tonic with suitable examples. [03]
- Q.8** Write short notes on **ANY TWO** of the following: [10]
- a) Podophyllum
  - b) Natural pesticides
  - c) Plant bitters

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