

BACHELOR OF PHARMACY (B. PHARM.) (CBCS - 2015 COURSE)
Final Year B. Pharm. Sem-VII : WINTER : 2021
SUBJECT: PHARMACOGNOSY-IV

Day : Monday
Date : 17-01-2022

W-13723-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.:

- 1) **Q. No.1 and Q. No.5 are COMPULSORUY.**
- 2) Out of the remaining solve **ANY TWO** questions from each section.
- 3) Both sections should be written on **SEPARATE** answer books.

SECTION-I

- Q.1** Solve **ANY FIVE** of the following: **(10)**
- a) Write biological source of Shikakai and Neem.
 - b) What is food guide pyramid?
 - c) What are immunomodulators? Give two examples.
 - d) What is functional food? Give two examples.
 - e) Write role of soya isoflavones in body.
 - f) Which are different radiation protection agents from natural origin?
- Q.2** a) Write in detail production and quality control of herbal cosmetics. **(06)**
b) Explain role of Cucumber and Haldi as herbal cosmetics. **(04)**
- Q.3** a) Explain DSHEA. **(05)**
b) What is role of antioxidant as nutraceutical? Give examples. **(05)**
- Q.4** Write a note on (**ANY TWO**): **(10)**
- a) Concept of skin permeation enhancers
 - b) Oral bioavailability enhancers
 - c) Resveratrol

SECTION-II

- Q.5** Solve **ANY FIVE** of the following: **(10)**
- a) What is lead optimization in natural product drug discovery?
 - b) Name any four natural flavoring agent.
 - c) Write biological source of digoxin.
 - d) Write biological source and use of Boswellic acid.
 - e) What is biological source of Podophyllum.
 - f) Name any four natural pesticides.
- Q.6** a) What is pharmacovigilance? Write in detail herb-drug interaction and side effect on important herbal drugs. **(06)**
b) Use of Vinca as anticancer agent. **(04)**
- Q.7** a) Explain use of natural liver tonics? **(05)**
b) Which are different plant bitters? Explain role of bitters. **(05)**
- Q.8** Write a note on (**ANY TWO**): **(10)**
- a) High throughput screening
 - b) Natural coloring agents
 - c) Taxus

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