

**SUPPLEMENTARY**  
**MASTER OF PHARMACY (M. PHARM.) (CBCS-2019 COURSE)**  
**M.Pharm. Sem-I PHARMACOGNOSY :SUMMER- 2022**  
**SUBJECT : ADVANCED PHARMACOGNOSY-I**

Day : Tuesday

Time : 10:00 AM-01:00 PM

Date : 13-09-2022

**S-20718-2022**

Max. Marks : 75

**N.B.:**

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

**SECTION – I**

- Q.1** Discuss on the Council of Agriculture Research. [08]
- Q.2** Explain the methods of isolation and purification of marine natural sources. [15]
- Q.3** Define Nutraceuticals and give emphasis on minerals and vitamins supplement. [15]
- Q.4** Write short notes on **ANY TWO** of the following: [15]
- a) Good Agriculture and Current Collection Practices
  - b) Dietary supplements
  - c) Medicinal and health benefits of spirulina and broccoli

**SECTION – II**

- Q.5** Explain pharmacovigilance with examples. [07]
- Q.6** Describe in detail the formulation and standardization of nutraceuticals with regulatory aspects. [15]
- Q.7** Explain the WHO guidelines for safety monitoring of natural medicines. [15]
- Q.8** Write short notes on **ANY TWO** of the following: [15]
- a) Safety monitoring of natural medicines
  - b) Occurrence and isolation of Shatavarin
  - c) Medicinal and health benefits of Garlic and Withanolides

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