

DOCTOR OF PHARMACY
Second Year Pharm. D. : SUMMER : 2022
SUBJECT : PHARMACOGNOSY & PHYTOPHARMACEUTICALS

Day : Monday
Date : 9/5/2022

S-5733-2022

Time : 02:00 PM-05:00 PM
Max. Marks : 70

N.B.

- 1) Q.1 and Q.5 are **COMPULSORY**. Out of the remaining answer **ANY TWO** questions from each Section.
- 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** a) Answer **ANY FOUR** of the following: (4x2=8)
- i) What is trichome? Give two examples.
 - ii) Define Pharmacognosy.
 - iii) What are proteins? Give two examples of protein drugs.
 - iv) Write any two chemical test for starch.
 - v) Differentiate between organized and unorganized crude drugs with suitable examples.
 - vi) Define plant fibers and list their classification.
- b) Define carbohydrates with examples. (03)
- Q.2** Write a detailed note on history and scope of Pharmacognosy. (12)
- Q.3** a) Explain the source, chemical constituents and uses of Castor oil. (07)
- b) Write an essay on the classification of carbohydrates. (05)
- Q.4** Write note on **ANY THREE**: (12)
- a) Beeswax
 - b) Arachis oil
 - c) Agar
 - d) Wool
 - e) Sesame oil

SECTION – II

- Q.5** a) Answer **ANY FOUR** of the following: (4x2=8)
- i) List the pharmaceutical importance of proteins.
 - ii) Define magnification power of microscope.
 - iii) Give the chemical constituents of the drugs containing Vitamin A.
 - iv) Give the source and chemical constituents of Guar gum.
 - v) Write biological source of cotton.
 - vi) Define iodine value and give its significance.
- b) Define adulteration and give any four examples. (03)
- Q.6** Write an essay on the classification and chemistry of lipids. (12)
- Q.7** a) Describe the pharmacognostic account of Pyrethrum and Tobacco. (07)
- b) Write in detail need for classification of crude drugs. (05)
- Q.8** Write note on **ANY THREE**: (12)
- a) Differentiate oil, fat and wax with suitable example.
 - b) Methods of adulteration of crude drugs.
 - c) Morphological classification..
 - d) Methods of cultivation of medicinal plants.
 - e) Use of microscopy in study of crude drugs.

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