

M. PHARM. SEM-II (CHOICE BASED CREDIT & GRADE SYSTEM)
: SUMMER - 2018
SUBJECT : ADVANCED PHARMACOGNOSY II

Day : **Tuesday**
Date : **03/07/2018**

S-2018-4001

Time : **10.00 AM to 01.00 PM**
Max. Marks. **60**

N.B.

- 1) There are **FOUR** questions in each section. Attempt any **THREE** questions from each section.
- 2) Answers to the two sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.

SECTION – I

- Q.1** Define Extraction and discuss the key steps involved in extraction of (10)
phytoconstituents. Elaborate with suitable extraction protocol.
- Q.2** Explain various stages of Drug Discovery from natural products. Elaborate (10)
selection and optimization of lead compounds for CNS compounds.
- Q.3** Write a detailed note on Flavonoids, their uses, chemistry and general methods of (10)
structural determination.
- Q.4** Write elaborate note on **ANY TWO** (10)
- a) Development of Antibiotics.
 - b) Standardization of Extracts.
 - c) Supercritical Fluid Extraction.

SECTION – II

- Q.5** Explain Acetate Pathway with reference to Sennoside A. (10)
- Q.6** Explain Mevalonic Acid Pathway with reference to Digoxin (10)
- Q.7** Describe structural elucidation by spectral and chemical method of Menthol. (10)
- Q.8** Write a short note on **ANY TWO** (10)
- a) Chemistry of Quinine
 - b) Chemistry and sources of Lycopene
 - c) Chlorophyll

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