

FINAL YEAR B.PHARM. SEMESTER-VII (CBCS - 2015 Course) :

WINTER - 2018

SUBJECT : PHARMACOGNOSY – IV

Day : Wednesday

Date : 21/11/2018

W-2018-4100

Time : 02.00 PM TO 05.00 PM

Max. Marks : 60

N.B.

- 1) Q.1 and Q.5 are **COMPULSORY**. Out of the remaining attempt 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 books.

SECTION – I

- Q.1** Answer any **FIVE** of the following: (10)
- a) Explain the term pro biotic with example.
 - b) Write biological source of Neem.
 - c) Write different uses of Aloe.
 - d) What is nutraceutical?
 - e) What is use of spirulina?
 - f) What is use of Flax seed?
- Q.2** a) Which are different wound healing agents from nature? Explain with suitable example. (06)
- b) Explain DSHEA with examples. (04)
- Q.3** a) Explain role of herbal immunomodulators. (06)
- b) What is food guide pyramid? Explain with example. (04)
- Q.4** Write short notes on any **TWO** of the following: (10)
- a) Role of AYUSH in herbal industry
 - b) Herbal skin care product
 - c) Oral bioavailability enhancer

SECTION – II

- Q.5** Answer any **FIVE** of the following: (10)
- a) Write names of any two natural flavoring agent.
 - b) Write chemical constituents of Taxus plant.
 - c) What is use of digoxin?
 - d) What are plant bitters? Give example.
 - e) What is use of Vinca?
 - f) Write biological source of Camptotheca.
- Q.6** a) What are liver tonics? Explain with suitable example. (06)
- b) Explain herb-drug interaction with suitable examples. (04)
- Q.7** a) Which are different natural sweeteners from natural origin? (06)
- b) Write in detail process of drug discovery from natural products. (04)
- Q.8** Write short notes on any **TWO** of the following: (10)
- a) Bitters from natural origin
 - b) Coloring agents from natural origin
 - c) Pesticides from natural origin

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