

**M. PHARM. SEM-I (CHOICE BASED CREDIT &
GRADE SYSTEM) : WINTER - 2017
SUBJECT : ADVANCED PHARMACOGNOSY-I**

Day : **Monday**
Date : **08/01/2018**

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

W-2017-3860

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** Write an exhaustive note on *Adathoda vasica* and *Podophyllum hexandrum*. (10)
- Q.2** Give the detailed phytochemical and pharmacological profile of *Azadirachta indica* and *Gymnema sylvestre*. (10)
- Q.3** Describe *ex-situ* and *in situ* methods of cultivation. Elaborate the advantages and disadvantages of these techniques with respect to the cultivation on medicinal plants. (10)
- Q.4** Write elaborate note on **ANY TWO** (10)
- a) Plant Breeders Right
 - b) Biodiversity law
 - c) Indian patent law applicable to natural products.

SECTION – II

- Q.5** What are nutraceuticals? How the well-being of an individual be benefitted by them? (10)
- Q.6** Explain in detail the scope of Marine drugs. Add a note on the future of marine drug discovery. (10)
- Q.7** Explain in detail various methods involved in isolation of Anticancer marine drugs. (10)
- Q.8** Write a short note on **ANY TWO** (10)
- a) Dietary supplements and drug interaction
 - b) Significance of BIS AGMARK
 - c) Role of antioxidants

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