

**T.Y.B.PHARM. SEMESTER-V (2011 COURSE) : WINTER -
2017**

SUBJECT : PHARMACOGNOSY – I

Day : **Tuesday**
Date : **21/11/2017**

W-2017-3836

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 80

N.B.

- 1) Q.1 and Q.5 are **COMPULSORY**. Out of the remaining **THREE** questions solve any **TWO** questions.
- 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** Answer any **FIVE** questions: (10)
- a) Write name of any four drugs obtained from animal origin.
 - b) Which are different naturally occurring auxins?
 - c) What is evaluation of crude drug?
 - d) Which are different methods for collection of bark?
 - e) Write advantages of taxonomic classification.
 - f) Which is best time to collect gum and latex? Explain why?
 - g) Enlist name of marine origin crude drugs.
- Q.2** a) Write in detail processing of crude drug with suitable example. (08)
b) What is microscopic drug evaluation? Explain with example. (07)
- Q.3** a) Write in detail history and scope of Pharmacognosy. (08)
b) Write in detail biological evaluation of crude drug with suitable example. (07)
- Q.4** Answer any **TWO** of the following: (15)
- a) Gibberellins
 - b) ABA
 - c) Ethylene oxide
 - d) Morphological classification of crude drugs

SECTION – II

- Q.5** Answer any **FIVE** questions: (10)
- a) Write biological source and uses of castor oil.
 - b) Write main chemicals present in cod liver oil.
 - c) What is tridosha theory?
 - d) Which are different primary and secondary metabolites?
 - e) Write homoeopathic drug potentization.
 - f) What is acid value? Give its significance.
 - g) Which are different isotopes used in tracer study?
- Q.6** a) What are carbohydrates? Give definition, properties, classification, biosynthesis and chemical tests for carbohydrates. (08)
b) Write pharmacognostic account of Honey. (07)
- Q.7** a) Explain various methods of tracer techniques in elucidation of biosynthetic pathway. (08)
b) Write note on mevalonic acid pathway. (07)
- Q.8** Answer any **TWO** of the following: (15)
- a) Isapgol
 - b) Pectin
 - c) Archis oil
 - d) Sunflower oil