

**T.Y.B.PHARM. SEMESTER-V (2011 Course) : WINTER - 2018**

**SUBJECT: PHARMACOGNOSY - I**

Day: Tuesday  
Date: 27/11/2018

**W-2018-4133**

Time: 10.00 A.M. TO 01.00 P.M.  
Max. Marks: 80

**N.B:**

- 1) **Q. No.1 and Q. No. 5 are COMPULSORY.** Solve **ANY TWO** questions from each section.
- 2) Both sections should be written in **SEPARATE** answer book.
- 3) Figures to the right indicate **FULL** marks.

**SECTION - I**

- Q.1** Solve **ANY FIVE** of the following: [10]
- a) What are advantages of chemical classification?
  - b) Write mechanism of action of Gibberellin.
  - c) What is drug evaluation?
  - d) Which are different methods of drying of crude drug?
  - e) What is dressing?
  - f) Which are different time of collection of flowers and leaves?
  - g) Name any four drugs obtained from mineral origin.
- Q.2** a) Explain in detail processing of crude drug with suitable example. [08]  
b) What is biological evaluation of crude drug? [07]
- Q.3** a) Write in detail history and scope of Pharmacognosy. [08]  
b) Write in detail chemotaxonomical classification along with its merits and demerits. [07]
- Q.4** Write short notes on **ANY THREE** of the following: [15]
- a) Plant growth retardants
  - b) Cytokinins
  - c) Ethylene oxide
  - d) Role of auxin

**SECTION - II**

- Q.5** Solve **ANY FIVE** of the following: [10]
- a) What is 'Yin-Yang theory'?
  - b) Explain the 'Tridosh theory'
  - c) Write biological sources for Acacia.
  - d) Write any four plants used in TCM.
  - e) Differentiate fixed oil and fat.
  - f) Explain 'Panchmahabhuta'.
  - g) What are lipids? Write any one chemical test for lipid.
- Q.6** a) Elaborate the detail account of Homoeopathic System of Medicine. [08]  
b) Explain the role of secondary metabolites as medicine. [07]
- Q.7** a) Explain mevalonic acid pathway with suitable example. [08]  
b) Write different methods for elucidation of biosynthetic pathways. Write note on tracer techniques. [07]
- Q.8** Write short notes on **ANY THREE** of the following: [15]
- a) Shark liver oil
  - b) Arachis oil
  - c) Agar
  - d) Honey

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