



**J-014-003410**

Seat No. \_\_\_\_\_

**M. P. M. (Sem. IV) (CBCS) Examination**

**June/July - 2019**

**Pharmacognosy - II**

**Faculty Code : 014**

**Subject Code : 003410**

Time : 3 Hours]

[Total Marks : 80

**Instructions :**

1. Answer any three questions from each section.
2. Question 1 and 5 are compulsory.
3. Figures to the right indicate marks.
4. Draw neat and clean diagram when required.

**SECTION-I**

- 1 Answer any seven out of given ten questions : 14
  1. Discuss phytochemical tests for tannins.
  2. Differentiate sweet fennel and bitter fennel.
  3. Write Biological source, family and uses of Tulsi.
  4. Write Biological source and uses of Garlic.
  5. Write Biological source and uses of Valerian.
  6. Define monoterpenoids and sesquiterpenoids with examples.
  7. Define the term: hydrolysable tannins and condense tannins.
  8. Write Biological source, family and uses of Vidang.
  9. Write Biological source, family and uses of Capsicum .
  10. Write Biological source, family and uses of lemon grass.
  
- 2 Answer the following :
  1. Discuss in detail about cultivation, collection and 7  
chemical constituents of cinnamon bark and how can  
you differentiate it from cassia bark.
  2. Write pharmacognostic note on Mentha. 6

- 3 Answer the following :
- 1 Discuss in detail about B.S., chemical constituents, uses and adulterants of clove. 7
  - 2 Write Biological source, Chemical constituents and uses of Asafoetida and Turmaric. 6
- 4 Answer the following :
1. Write pharmacognostic note on Coriander. 7
  2. Give botanical source, family, geographical source, chemical constituents and uses of Cardamom. 6

## SECTION-II

- 5 Answer any two out of three questions : 14
1. Define tannins. Classify tannins with suitable examples and write BS, family, Chemical constituents and uses of Baheda and Harde.
  2. Define Volatile oils and discuss isolation methods for volatile oils.
  3. Write pharmacognostic note on Ginger.
- 6 Answer the following :
1. Give botanical source, family, chemical constituents and uses of Guggulu and salai guggulu. 7
  2. Write the Biological source, Chemical constituents and uses of lemon peel and orange peel. 6
- 7 Answer the following :
1. Write pharmacognostic note on Eucalyptus. 7
  2. Describe the general characters of Umbelliferae family fruits. 6
- 8 Answer the following :
1. Define and classify resin with its physicochemical properties. 7
  2. Draw detail transverse section of fennel fruit with proper labels. 6