

Code: 13R00503

**R13**B.Pharm III Year I Semester (R13) Regular & Supplementary Examinations November/December 2016  
**PHARMACOGNOSY – II**

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

- 1 Answer the following: (10 x 02 = 20 Marks)
- Define volatile oil and classify it.
  - Give the chemical test for Anthraquinone glycosides.
  - Define bitter glycosides.
  - Define secondary metabolite.
  - Write principle of extraction.
  - Give uses of Asafoetida.
  - What is alkaloid?
  - Give biological source of ergot.
  - Give identification test of diastase.
  - Give identification test of pepsin.

**PART – B**

(Answer all five units, 5 x 10 = 50 Marks)

**UNIT - I**

- 2 Define resins. Give the properties and classification of resins.
- OR**
- 3 Give biological source, chemical constituents and uses of following drugs:
- Mentha.
  - Cinnamon.
  - Nutmeg.
  - Eucalyptus.

**UNIT - II**

- 4 Describe in detail Cardioactive glycosides
- OR**
- 5 Give biological source, chemical constituents and uses of following drugs:
- Glycyrrhiza.
  - Aloe.
  - Chirata.
  - Cascara.

**UNIT - III**

- 6 Give detailed Pharmacognostic accounts on Tobacco and Vinca.
- OR**
- 7 Write short note on Kurchi and Cinchona.

**UNIT - IV**

- 8 What is extraction? Describe the factors affecting extraction.
- OR**
- 9 Write short note on general biosynthetic pathway and metabolic pathway.

**UNIT - V**

- 10 Give biological source, preparation and uses of following enzymes:
- Diastase.
  - Pepsin.

**OR**

- 11 Write short note on: (a) Tyrosinase, (b) Pantoic acid