

**B. Pharm.**

**(SEM. IV) EXAMINATION, 2006-07**

**PHARMACOGNOSY - II**

*Time : 3 Hours*

*[Total Marks : 80]*

- Note :*
- (1) Attempt all questions.*
  - (2) All questions carry equal marks.*

**1** Answer any **four** of the following : **4×4**

- (a) Write a note on podophyllum.
- (b) Give biological source, active constituents and uses of turmeric.
- (c) Give chemical tests for :
  - (i) Abetic acid in colophony
  - (ii) Pungent principles in Capricum and Ginger.
- (d) Differentiate between :
  - (i) Siam Benzoin and Sumatra Benzoin
  - (ii) Peru Balsam and Tolu Balsam
- (e) Write a short note on Asafaetida.

**2** Answer any **four** of the following : **4×4**

- (a) Define volatile oils. Give various methods of obtaining volatile oils from plants.
- (b) Give biological sources and chemical constituents of :
  - (i) Clove
  - (ii) Cinnamon.
- (c) Draw well labelled diagram of the microscopy of coriander fruits.

- (d) Write a note on Musk
- (e) Give chemical structure and source of (any **four**) of the following :
  - (i) Citral
  - (ii) Anethole
  - (iii) Eugenol
  - (iv) Menthol
  - (v) Myristicin.

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**3** Answer any **four** of the following : **4x4**

- (a) Classify alkaloids stating examples.
- (b) What are saponins, Enumerate their properties and uses.
- (c) Give biological source, morphological characters and chemical constituents of one drug used in cardiac disorder.
- (d) Give isolation method and chemical tests for flavonoids.
- (e) Give structural difference and differentiating Qualitative Chemical Tests of Cardanolides and Bufadienolides.

**4** Answer any **four** of the following:

- (a) Explain microscscopy of absorbant cotton.
- (b) Differentiate between vegetable and animal fibres.
- (c) Give biological source, chemical tests and uses of Gelatin.
- (d) Write exhaustive notes on any one natural colours used in pharmacy.
- (e) Write short notes on Bentonite OR Talc.

**5** Attempt any **two** of the following:

- (a) Define Tannins. Give complete pharmacognsy of catechu.
- (b) Give complete pharmacognosy of vetiver oil or Eucalyptus oil.
- (c) Write a note on therapeutic/commercial utilization of aromatic plants.