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 : 4x4

(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.

[Contd...]
2 Answer any four of the following:

(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.

3 Answer any four of the following:

(a) Classify alkaloids stating examples.

(b) What are safonins, Enumerate their properties and uses.

(c) Give biological source, morphological characters and chemical constituents of one drug used in cardiac disorder.

V-5054] 2 [Contd...
(d) Give isolation method and chemical tests for flavonoids.

(e) Give structural difference and differentiating Qualitative Chemical Tests of Cardinolides and Buffadienolides.

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

(a) Explain microsscopy 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.