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
(3) Illustrate your answers with the help of suitable diagram.
(4) Be precise in your answers.

I Attempt any four parts of the following : 4×4=16

(a) Write a note on narcotic products from cannabis

(b) Define pathological resins. Give chemical tests for Benzoin

(c) Give official source, preparation and chemical constituents of Ginger oleo-resin

(d) Give official source of Shellac and Jalap

(e) Write a note on chemical constituents and uses of podophyllum.

V-5106] 1 [Contd...
2 Attempt any **two** of the following: \(8 \times 2 = 16\)

(a) Define volatile oils. Give various methods for obtaining volatile oils

(b) Mention the names of two umbelliferous fruits yielding volatile oil. Give their official source and chemical constituents also

(c) Write official source, characters and chemical constituents of Clove and Nutmeg.

3 Attempt any **four** of the following: \(4 \times 4 = 16\)

(a) Explain:

(i) Borntrager’s test and modified Borntrager’s test

(ii) Keller-Killiani’s test.

(b) Differentiate between Cardenolides and Bufadienolides

(c) Write a note on Leucoanthocyanidines

(d) Give various chemical tests for saponins and cyanogenetic glycosides

(e) Define alkaloids and discuss their general properties.

4 Attempt any **two** of the following: \(8 \times 2 = 16\)

(a) What are fibres? Classify them on the basis of their origin. Give biological source and method of preparation for any one fibre of animal origin
(b) Write notes on:
   (i) Kaolin
   (ii) Bentonite

(c) Give source, preparation and chemical tests for Gelatin.

5 Attempt any two of the following: \[8 \times 2 = 16\]

(a) Give official source, description, chemical constituents and tests for Black catechu

(b) Write a note on utilization of aromatic plants

(c) Give official source, chemical constituents and uses of Harde and Bahera.