B. Pharma.

(SEM. VIII) EXAMINATION, 2006-07
PHARMACOGNOSY – V

Time : 3 Hours] [Total Marks : 80

Notes : (1) Attempt all questions.
(2) All question carry equal marks.
(3) Be precise in your answer.

1 Answer the following : (any two) 8×2
(a) Describe in detail concept of stereoisomerism, illustrate your answer with proper example.
(b) Give a brief description of basic metabolic pathways of pharmaceuticals.
(c) Give chemical approaches for simple molecules of natural origin.

2 Answer following : 8×2
(a) Give chemistry and biogenesis of sesquiterpenes OR triterpenoids.
(b) Answer any two of the following :
   (i) Discuss isoprene rule
   (ii) Give chemistry of any one monoterpene
   (iii) Define the term terpenes and classify them.
3 Answer any two of the following: 8×2

(a) Give isolation extraction and pharmacological activity of α-caroeve.

(b) Discuss vitamins. Give chemistry of any one vitamin of medicinal importance.

(c) What are carotenoids? Give its classification and structural elucidation.

4 Answer any two of the following: 8×2

(a) What are antibiotics? Write a detailed account on penicillin.

(b) Describe photosensitising agents. Illustrate your answer with appropriate examples.

(c) Discuss importance of herbal cosmetics on commercial scale in India.

5 Answer any two of the following: 8×2

(a) Discuss alkaloids. Give structure elucidation of Atropene.

(b) Discuss chemistry of venica alkaloids.

(c) Give medicinal importance of Quassanoids and Flavanoids.

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