



Printed Pages : 2

PH – 482

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 5063

Roll No.

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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 stereo-isomerism, 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.

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[Contd...

- 3** Answer any **two** of the following : **8×2**
- (a) Give isolation extraction and pharmacological activity of α -carotene.
 - (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 Atropine.
 - (b) Discuss chemistry of venice alkaloids.
 - (c) Give medicinal importance of Quassinoids and Flavanoids.
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