



Printed Pages : 3

PH – 243

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

PAPER ID : 5054

Roll No.

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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.

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[Contd...

- 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.
- 3** Answer any **four** of the following : **4×4**
- (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 Cardinolides and Buffadienolides.

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

- (a) Explain microsscropy 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.