

Name :

Roll No. :

Invigilator's Signature :

**CS/B.Pharm/SEPARATE SUPPLE/SEM-8/PT-802/2011
2011**

PHARMACOGNOSY

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

$10 \times 1 = 10$

- i) Liquid alkaloid is
 - a) Codeine
 - b) Inoquine
 - c) Nicotine
 - d) Nicotinine.

- ii) Citrus oils are extracted by
 - a) Hydro-distillation
 - b) Pneumatic method
 - c) Expression
 - d) Steam distillation.

- iii) The gas used in supercritical fluid extraction
 - a) N_2
 - b) He
 - c) SO_2
 - d) none of these.



iv) Murexide test is intended for

- a) Amines
- b) Purines
- c) Pyrimidines
- d) Pyrexines.

v) Morphine is found in association with

- a) Meconic acid
- b) Tartaric acid
- c) Maleic acid
- d) Isocitric acid.

vi) Imidazole alkaloid is

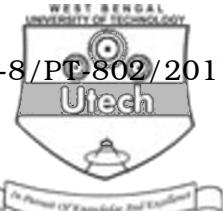
- a) Pilocarpine
- b) Pilosine
- c) Isopilocarpine
- d) All of these.

vii) Iodoplatinate list is used to detect

- a) Carotenoids
- b) Alkaloids
- c) Polyterpenoids
- d) Bioflavonones.

viii) Modified Brontreger's test is used for

- a) N-glycosides
- b) O-glycosides
- c) C-glycosides
- d) Anthraquinone glycosides.



ix) Andrographolide is obtained from

- a) Solanum b) Gentian
c) Veratrum d) Kalmegh.

x) Colchicum is used as

- a) Antitumor b) Antirheumatic
c) Both of these d) None of these.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. Write a note on plant sweeteners.
3. Discuss the chemical tests for flavonoids and leucoanthocyanidins.
4. Discuss the advantages and disadvantages of maceration.
5. Write a brief note on Dubosia.
6. How will you differentiate between cardenolides and bufadienolides by chemical tests ?



GROUP – C
(Long Answer Type Questions)
Answer any *three* of the following.

$3 \times 15 = 45$

7. Discuss the factors influencing the extraction of crude drugs.

Write a note on supercritical fluid extraction.

$$7\frac{1}{2} + 7\frac{1}{2}$$

8. What are purine alkaloids ? Discuss any one purine containing crude drug in detail. $3 + 12$

9. What are amino alkaloids ? Discuss any one amino alkaloid containing crude drug in detail. $3 + 12$

10. Define alkaloids classify them with examples. Discuss in detail about any indole alkaloid containing crude drug.

$$2 + 4 + 9$$

11. Describe schematically the biogenetic pathways of atropine and morphine. $7\frac{1}{2} + 7\frac{1}{2}$

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