



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 × 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. |

SS-251

[Turn over



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) Pilocosine
- c) Isopilocarpine
- d) All of these.

vii) Iodoplatinate test 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 × 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 × 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.

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