



Name :

Roll No. :

Invigilator's Signature :

CS/B.PHARM (NEW)/SEM-7/PT-709B/2011-12

2011

ADVANCED 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 any *ten* of the following :

10 × 1 = 10

- i) Cellulose swells and dissolves in
 - a) Sodium carbonate solution
 - b) Cuoxam solution
 - c) Iodine solution
 - d) Ringer solution.

- ii) Warty trichomes are present in
 - a) nux vomica
 - b) senna
 - c) mint
 - d) buchu.

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[Turn over



- x) Ruthenium red is used to identify
- a) Volatile oils b) Mucilage
c) Lignified tissues d) Polyphenols.
- xi) Stomata which have two subsidiary cells with their common wall at right angle to the long axis of guard cells are termed as
- a) Paracytic b) Anomocytic
c) Anisocytic d) Diacytic.
- xii) The basic concept of diagnosis and drug development in Ayurveda is based on
- a) Monodosha theory b) Tridosha theory
c) Hexadosha theory d) Octadosha theory.

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. 3 × 5 = 15

2. What is 'sampling' ? How is it done ? What is the importance of sampling ?
3. Write a note on supercritical fluid extraction with its application in industry.
4. Write a note on microscopical evaluation of crude drug.
5. Explain Yin and Yang theory.
6. Write a note on continuous hot percolation.



GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. What is Hippocratic screening for evaluation of natural product ? What are the parameters to be considered for Hippocratic screening of natural products ? Write down the advantages and limitations of this method. $2 + 8 + 5$
8. Discuss the factors to be considered in pre-extraction operations for crude drugs. Write down the various factors, which affect the extraction process. $8 + 7$
9. Write in detail on adulteration of crude drugs with examples.
10. What do you mean by indigenous system of medicine ? Write about various indigenous system of medicine with special emphasis on Ayurveda. $2 + 4 + 9$
11. What do you mean by morphology ? How does morphological evaluation help in maintaining quality of herbal drugs ? $2 + 13$

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