	Uiteah
Name :	(A)
Roll No.:	To Spines (If Exercising 2nd Explains)
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:

 $10 \times 1 = 10$ 

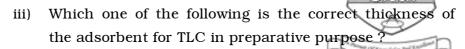
- i) Cellulose swells and dissolves in
  - a) Sodium carbonate solution
  - b) Cuoxam solution
  - c) lodine solution
  - d) Ringer solution.
- ii) Warty trichomes are present in
  - a) nux vomica
- b) senna

c) mint

d) buchu.

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a) 2 mn

b) 2.5 mn

c) 3 mn

d) 0.2 mn.

iv) Cruciferous stomata is generally found in

- a) belladonna
- b) digitalis

c) vasaka

d) all of these.

v) Murexide test is generally done for evaluation of

- a) tropane alkaloids
- b) ergot alkaloids
- c) purine bases
- d) none of these.

vi) The extraction process where the drug is stirred with menstrum in high speed mixer or homogenizer is called.

- a) Kinetic maceration
- b) Turbo extraction
- c) Re-maceration
- d) Percolation.

vii) Which one of the following equation is used for calculating stomatal index ?

a) 
$$\frac{S}{E+S} \times 100$$

b) 
$$\frac{E}{S+S} \times 100$$

c) 
$$\frac{E}{E+E} \times 100$$

d) 
$$\frac{E+S}{S} \times 100$$
.

viii) TLC plates are activated at 105° for

- a) 45 minutes
- b) 60 minutes
- c) 15 minutes
- d) 30 minutes.

ix) Comminution is referred to

- a) size reduction
- b) swelling of drug
- c) clogging
- d) none of these.

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- 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.

 $3 \times 5 = 15$ 

- 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.

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### (Long Answer Type Questions)

Answer any three of the following.



- 7. What is Hippocratic screening for evaluaion or 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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