	Uttech
Name:	
Roll No.:	To Among the Exemple 2nd Exemple
Invigilator's Signature :	

CS/B.Pharm/SEM-6/PT-610A/2010 2010

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) In Soxhlet extraction generally water is not used as solvent, because
 - a) it's a highly volatile solvent
 - b) it's chemical nature is destructive
 - c) it can destroy the constituents
 - d) it's boiling point is high.
- ii) Cascara sagrada contains maximum amount of anthroquinone glycosides in their
 - a) bark b)

leaf

c) flower

d) fruit.

6433 [Turn over

CS/B.Pharm/SEM-6/PT-610A/2010



- iii) Lignin is identified by the stain
 - a) Phloroglucinol + HCl
 - b) Phloroglucinol + alkali
 - c) Phloroglucinol + ammonia
 - d) Sudan red-III.
- iv) In hycopodium spore method, the % purity of powdered ginger is calculated using which of the following equation?

a)
$$\frac{N \propto 10 \propto S \propto 94,000}{SMP} \propto 100$$

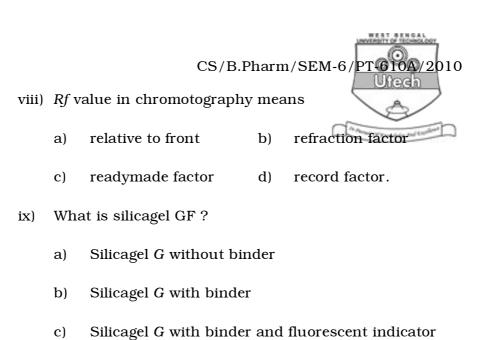
b)
$$\frac{N \propto W \propto 94,000}{S \propto M \propto P} \propto 100$$

c)
$$\frac{S \otimes M \otimes P \otimes 94,000}{10} \otimes 100$$

d)
$$\frac{N \propto S \propto 94,000}{S \propto M \propto P} \propto 100.$$

- v) Which one of the following is not a type of stomata?
 - a) Moss type
- b) Gramineous type
- c) Glandular type
- d) Dicotyledonous type.
- vi) What do you mean by extractive value?
 - a) Approximate measure of constituents
 - b) Approximate measure of inorganic material
 - c) Ash content of drug
 - d) None of these.
- vii) What happens to powdered Rhubarb when it is stored in clear glass jars?
 - a) Changes from brown to greenish
 - b) Rapidly changes from yellow to reddish colour
 - c) Changes from yellow to colourless
 - d) Does not effect at all.

6433



TLC plates are activated at 105° for X)

Silicagel G

indicator.

a) 45 min

c)

d)

b) 60 min

binder

and

fluorescent

c) 15 min

- 30 min. d)
- Volatile oils are obtained by of the xi) plant parts containing the oil.

without

- a) steam distillation
- b) steam evaporation
- both of these c)
- d) none of these.
- xii) What do you mean by the term 'glabrous'?
 - a) Free from hairs
- b) Long hairs are present
- Surface is hairy c)
- Dotted with oil glands. d)

6433 3 [Turn over

CS/B.Pharm/SEM-6/PT-610A/2010



(Short Answer Type Questions)

Answer any three of the following.



- 2. Write a short note on phytochemical screening.
- 3. What is super critical fluid extraction?
- 4. Explain the principle of thin layer chromatography.
- 5. Write a short note on maceration.
- 6. What are the factors affecting herbal quality?

GROUP - C

(Long Answer Type Questions)

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

- 7. Discuss about the different indigenous systems of medicine with special emphasis on Ayurveda.
- 8. What is ethnobotany? Write the role of ethnobotany in herbal drug evaluation. Describe the impact of ethnobotany in traditional medicine.
- 9. a) What do you mean by Adulteration ? Explain various types of adulterants used for herbal drugs. 1 + 7
 - b) What are the various primary and secondary factors to be considered for deterioration of herbal drugs?
- 10. What do you mean by extraction? Write the various factors affecting extraction of Herbal Drugs. Give the different procedure for extraction of Herbal Drugs. 1 + 6 + 8
- 11. Write short notes on the following : $2 \times 7\frac{1}{2}$
 - a) Continuous not percolation method
 - b) Various methods of drug evaluation.

6433 4