



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/B.PHARM/SEM-7/PT-702/2010-11**

**2010-11**

**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) "Eugenol" is an example of
- a) Diterpenoid                      b) Monoterpenoid
- c) Sesquiterpenoid                d) None to these.
- ii) Which one of the following drug is rapidly acting blood schizontocides in the treatment of malaria ?
- a) Artemisia Annua                b) Artemisia Meritima
- c) Artemisia Brevifolia          d) None of these.
- iii) Which one of the following alkaloid is red in colour ?
- a) Berbenine                        b) Nicotine
- c) Betanidia                         d) Ephedrine.

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- x) Capsanthin is a
- a) Flavonoid                      b) Carotenoid
- c) Alkaloid                        d) Tannin.
- xi) Which test of the following is done for Anthraquinone glycoside ?
- a) Keller-Kiliani test        b) Legal test
- c) Baljet test                      d) Borntrager's test.
- xii) Ergotamine is what type of alkaloid ?
- a) Indole alkaloid                b) Quinoline alkaloid
- c) Tropane alkaloid              d) Isoquinoline alkaloid.

**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.

3 × 5 = 15

2. Explain the application of chemotaxonomy in classification of medicinal plants.
3. Write short note on inhalant and contactant allergens.
4. Write the biogenesis of "quinine".
5. What do you mean by nutraceuticals ? Discuss briefly any two nutraceuticals with example.
6. Write a note on Marine Toxin ?



**GROUP – C**

**( Long Answer Type Questions )**

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

7. Define alkaloids ? Mention their general properties. Discuss about the biosynthesis and pharmacological activity of vinca alkaloids. 15
8. What are terpenoids ? Classify them with examples. Write their properties and the basic metabolic pathway involved for the synthesis of terpenoids.  $2 + 2 + 3 + 8$
9. What is tissue culture ? What are the basic requirements for plant tissue culture ? Write down the advantages of plant tissue culture and its application in pharmacognosy.
10. What is cosmetic phytognosy ? Explain in detail any three herbs used in skin care preparations.  $3 + 4 + 4 + 4$
11. a) Explain the structural differences between  $\alpha$ -carotenoid and  $\beta$ -caroteaoid.  
b) Write a short note on cylotoxic agents obtained from marine sources.  $7^{1/2} + 7^{1/2}$

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