	<u>Unean</u>
Name:	(A)
Roll No.:	As Agame (V) Sample for Facilities
Invigilator's Signature :	

CS/B. Pharm (Old)/SEM-7/PT-702/2011-12

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 any ten of the following:

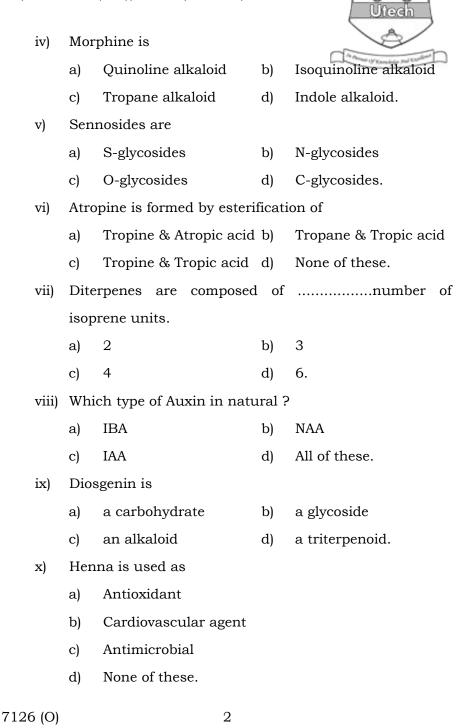
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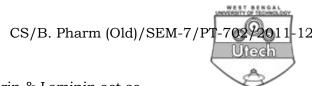
				10 × 1		
i)	The molecular formula of isoprene unit is					
	a)	$C_{15}H_{24}$	b)	$C_{10}H_{16}$		
	c)	C_5H_8	d)	C_5H_{10}		
ii)	Quinidine is					
	a)	Antimalarial	b)	Antiarrhythmic		
	c)	Anticancer	d)	Antiulcer.		
iii)) Vitali morin test is for					
	a)	Indole alkaloid				

- Anthraquinone glycoside b)
- c) Tropane alkaloid
- d) Quinoline alkaloid.

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- xi) Anthopleurin & Laminin act as
 - a) Anticancer agent
- b) Cardiovascular agent
- c) Antimicrobial agent
- d) None of these.

- xii) Geraniol is
 - a) Acyclic monoterpenoid
 - b) Monocyclic monoterpenoid
 - c) Diterpenoid
 - d) Triterpenoid.

GROUP - B

(Short Answer Type Questions)

Answer any three of the following.

 $3 \times 5 = 15$

- What are photosensitizing agents? Write the details of a photosensitizing agent from a natural source.
- 3. Write a short note on herbs as health food.
- 4. What is Marine phrmacognosy? Write the various medicinal agents obtaind from marine sources.1 + 4
- 5. What do you know about callus culture & suspension culture?
- 6. Write a short note on chemotaxonomy & Applications in phrmacognosy.

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GROUP - C

(Long Answer Type Questions)

Answer any three of the following.

 $3 \times 15 = 45$

- 7. What are terpenes & terpenoids? Give the general formula of terpenes. What is isoprene rule? Write the biogenetic relationship of various terpenes. Give one name each of monoterpene & sesquiterpene. 2 + 1 + 2 + 8 + 2
- 8. What are glycosides? Write properties of glycosides. Write biogenesis & activity of sennosides. 2 + 2 + 9 + 2
- 9. What are alkaloids? Write chemistry, biogenesis of Atropine& Ephedrine.2 + 8 + 5
- 10. What is Plant tissue culture ? Write ideal media requirements of PTC. Write the applications of PTC. 2 + 9 + 4
- 11. Write short notes on any *three* of the following: 5 + 5 + 5
 - a) Surface sterilization
 - b) Carotenoids
 - c) Amla in cosmetics
 - d) Ara-C.

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