	Utech
Name:	
Roll No.:	A phonon (V) (non-being) and (A phonon
Invigilator's Signature :	

CS / B.PHARM (OLD) / SEM-4 / PT-402 / 2011

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)

Choose the correct alternatives for any ten of the following: 1.

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								10 × 1 =	= 10
i)	Indi	ian goosel	berry	is a 1	rich sour	ce of			
	a)	Vitamin	A		b)	Vitamii	n C		
	c)	Vitamin	K		d)	Vitamii	n <i>E</i> .		
ii)	Vola	atile oils a	re se	crete	d in spec	ial struc	tures	called	
	a)	cell sap			b)	schizog	genou	ıs glandı	s
	c)	trichome	es		d)	vacuole	es.		
iii)		ich one adienolide		the	followin	g is a	n e	xample	of
	a)	Squill			b)	Stropha	anthı	ıs	
	c)	Theretia	-		d)	Aloe.			

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	iv)		ch of the following vonal source?	oils is obtained from				
		a)	Dill oil	b)	Spearmint oil			
		c)	Cassia oil	d)	Musk oil.			
	v)	Curcumin is the active component of						
		a)	Turmeric	b)	Quassia			
		c)	Chirata	d)	Jalap.			
	vi)	Tolu Balsam is obtained by incision from the trunk						
		a)	Myroxylon balsamum	b)	Capsicum			
		c)	Asafoetida	d)	Myrrh.			
	vii)	Squi	ll is used as					
		a)	purgative	b)	oxytocic			
		c)	anti-inflammatory	d)	cardiotonic.			
	viii)	ii) Active part of the strophanthus plant is						
		a)	leaf	b)	Rhizome			
		c)	bark	d)	seed.			
	ix)	The	entire fruit of umbellifer	ous f	Camily is called			

b)

d)

2

mesocarp

cremocarp.

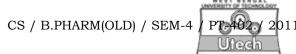
endocarp

epicarp

a)

c)

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- x) What is the use of Brahmi?
 - a) Galactogogue, Diuretic
 - b) Memory regain
 - c) Loss of appetite
 - d) Nervine disorders.
- xi) What is synonym of Dioscorea?
 - a) Devils's drug
- b) Dinkum
- c) Jesiut bark
- d) Rheumatism root.
- xii) Gambier-Fluorescien test is used to detect
 - a) senna

- b) palecatechu
- c) digitalis
- d) rauwolfia.

GROUP – B (Short Answer Type Questions)

Answer any three of the following.

 $3 \times 5 = 15$

- 2. What do you mean by asava and arista ? Explain their method of preparation. 2+3
- 3. Describe the morphology of lahsun/garlic with a neat labelled diagram.
- 4. Write a short note on natural colours.
- 5. Explain Gold Beaters skin test.
- 6. Write a short note on 'Lemon peel'.

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GROUP - C

(Long Answer Type Questions)

Answer any three of the following.



- 7. Define terpenoids and resins. What are resin combinations? Discuss the biological source, geographical source, chemical constituents, organolepltic characters and uses of asafoetida and cannabis. 2 + 3 + 10
- 8. Define tannins and mention the different types of tannins. How are tannins identified chemically? Write in detail about the biological source, macroscopy, constituents and uses of Myrobalan.

 3 + 4 + 8
- 9. Draw the skeleton structure of isoprene. Define volatile oil. How volatile oil may be differentiated from fixed oil? Mention the biological source, macroscopy, constituents and uses of Citronella and Eucalyptus. 2 + 2 + 3 + 8
- 10. a) What are fibres?

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b) Classify them with examples.

- 1
- Explain in detail the biological source, method of preparation, chemical constituents, tests, and uses of cotton.
- d) How do you distinguish the following? 2×2
 - i) Raw cotton from absorbent cotton.
 - ii) Cotton from silk.
- 11. Give the biological source, chemical constituents, pharmacology and category of any *three* of the following:

 3×5

- a) Kantikari
- b) Satavari
- c) Tylophora
- d) Amla.

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