	Utech
Name :	
Roll No.:	A Description and Explored
Invigilator's Signature :	

CS/B.PHARM /SEM-4 /PT-402/2012 2012 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	alternat	ives	for	any	ten	of	the	
	follo	llowing :							10	× 1 =	= 10	
	i) What is the colouring pigment present in Capsicum?									?		
	a) Dihydrocap				saicin	b)	Phenolic ester					
		c)	Cap	asaicin		d)	Cap	pasant	hin.			
	ii)	ii) Which chemical constituent				of	ginge	r is	ha	ving		
	inhibitory action against prostaglandin synthetase?											
		a)	Gin	gerol		b)	Zin	gibere	ne			
		c)	Cur	cumene		d)	Phe	ellandr	ene.			
	iii) Which of the following is present in Indian goos								goose	eberr	y ?	
		a)	Sola	asodine		b)	Vita	amin l	B_{12}			
		c)	Asc	orbic acid	l	d)	All	of the	se.			

4019 [Turn over

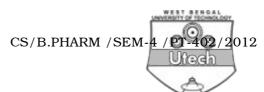
CS/B.PHARM /SEM-4 /PT-402/2012

- iv) The oxytocic principle of ashoka bark is due to the presence of
 - a) Tannins
 - b) Haemotoxylins
 - c) Saponins
 - d) Phenolic glycosides P_2 .
- v) *Picrorrhiza kurroa* is the biological source of which of the following commercial variety?
 - a) Indian Gentian
- b) Indian Ginseng
- c) Chirata
- d) Indian squill.
- vi) Which one of the following is used in the treatment of *idiopathic vitiligo*?
 - a) Vis naga
- b) Ammi majus
- c) Quassia amara
- d) All of these.
- vii) Which of the following is a polymer of adipic acid and hexamethylene diamine?
 - a) Asbestos
- b) Terylene

c) Nylon

- d) Wool.
- viii) Which of the following is used as natural Galactogogue?
 - a) Tylophora indica
- b) Asperagus racemosus
- c) Emblica officinalis
- d) None of these.
- ix) Which of the following colouring agent is obtained from insect?
 - a) Annatto
- b) Tatrazine
- c) Cochineal
- d) Sunset Yellow FCF.

4019



- x) The bitter glycosidic compound present in orange peel is known as
 - a) Aurantimarin
- b) Pectin
- c) Hesperidine
- d) Neo hesperidine.
- xi) Which amino acid is present in maximum quantity in gelatin?
 - a) Lysine

- b) Arginine
- c) Leucine
- d) Histidine.
- xii) Humic acid and fulvic acid can be found in
 - a) Shilajit

b) Guggul

c) Apamarg

d) Palash.

GROUP - B

(Short Answer Type Questions)

Answer any three of the following.

 $3 \times 5 = 15$

- 2. Discuss the method of preparation and uses of Bhasmas and Tailas.
- 3. What are coumaries? Write a short note on Psoralea.
- 4. What are pharmaceutical aid? Write a short note on gelatin.
- 5. State the biological source, family, constituents and uses of amla and brahmi.
- 6. Write a short note on polyester.

4019

3

[Turn over

CS/B.PHARM /SEM-4 /PT-402/2012





(Long Answer Type Questions)

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

- 7. What are cathartics / Give some examples. Write biological source, macroscopical characteristics, chemical constituents and uses of Cascara. What are bitters? Write about Quassia as a bitter drug. 1 + 1 + 6 + 2 + 5
- 8. What is a Saponin Glycoside? Mention different types of Saponin glycosides with example. What are the therapeutic importance of this group of phytoconstituents? Write pharmacognositic notes on Ginseng, Dioscorea.

2 + 3 + 2 + 8

- 9. Define tannins and classify it with suitable example. State the various identification tests of tannins. Write down the biological source, family, active constituents and uses of pale catechu and galls. 1 + 3 + 5 + 6
- 10. Define volatile oils and differentiate it from fixed oils. Explain the different isolation techniques of volatile oils from plants. From your point of view which technique is suitable for volatile oil isolation and why? Write down the isolation technique of eucalyptus oil from plants with a diagram.

1 + 2 + 6 + 6

11. Define resins and classify with suitable example. Explain the term oleoresins, oleo-gum resings, glyco resins and balsamic resins. Write down the biological source, family, active constituents and uses of colophony, capsicum and jalap.

2 + 4 + 3 + 3 + 3

4019 4