### PHARMACOGNOSY (SEMESTER - 2)

## CS/B.PHARM (N)/SEM-2/PT-202/09



1.	Signature of Invigilator				Œ.	Anna S	(analogy)	of Explana	r E	<del>12</del> =3	<u></u>	<u>=</u> 24
2.	Signature of the Officer-in-Charge	٠.										
	Roll No. of the Candidate											

# CS/B.PHARM (N)/SEM-2/PT-202/09 ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE – 2009 PHARMACOGNOSY (SEMESTER - 2)

Time: 3 Hours [Full Marks: 70

#### **INSTRUCTIONS TO THE CANDIDATES:**

- 1. This Booklet is a Question-cum-Answer Booklet. The Booklet consists of **32 pages**. The questions of this concerned subject commence from Page No. 3.
- 2. a) In **Group A**, Questions are of Multiple Choice type. You have to write the correct choice in the box provided **against each question**.
  - b) For **Groups B** & **C** you have to answer the questions in the space provided marked 'Answer Sheet'. Questions of **Group B** are Short answer type. Questions of **Group C** are Long answer type. Write on both sides of the paper.
- 3. **Fill in your Roll No. in the box** provided as in your Admit Card before answering the questions.
- 4. Read the instructions given inside carefully before answering.
- 5. You should not forget to write the corresponding question numbers while answering.
- 6. Do not write your name or put any special mark in the booklet that may disclose your identity, which will render you liable to disqualification. Any candidate found copying will be subject to Disciplinary Action under the relevant rules.
- 7. Use of Mobile Phone and Programmable Calculator is totally prohibited in the examination hall.
- 8. You should return the booklet to the invigilator at the end of the examination and should not take any page of this booklet with you outside the examination hall, **which will lead to disqualification**.
- 9. Rough work, if necessary is to be done in this booklet only and cross it through.

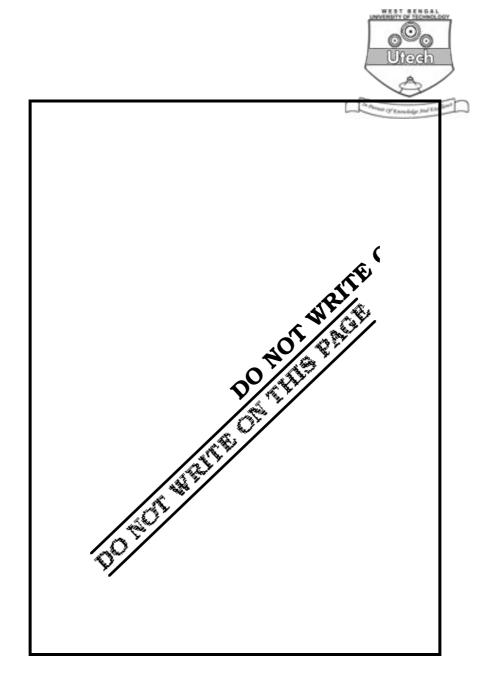
#### No additional sheets are to be used and no loose paper will be provided

# FOR OFFICE USE / EVALUATION ONLY Marks Obtained Group - A Group - B Group - C Question Number Marks Obtained Marks Obtained

Head-Examiner/Co-Ordinator/Scrutineer

2370 (13/06)





2370 (13/06)



# PHARMACOGNOSY SEMESTER - 2

Time: 3 Hours [ Full Marks: 70

#### **GROUP - A**

### ( Multiple Choice Type Questions )

1.	Cho	e following :	10 × 1 = 10								
	i)	Whi	f Vitamin A ?								
		a)	Curcuma	b)	Guggul						
		c)	Shark Liver oil	d)	Aloes.						
	ii)	Stomatal index is									
		a)	$\frac{S+E}{S} \times 100$	b)	$\frac{S}{E+S} \times 100$						
		c)	$\frac{S+S}{E} \times 100$	d)	$\frac{E}{S+S} \times 100.$						
	iii)	Which one of the following is used as 'Antitussive' ?									
		a)	Tulsi	b)	Vinca						
		c)	Curcuma	d)	Colchicum.						
	kaloid ?										
		a)	Vasaka	b)	Ephedra						
		c)	Vinca	d)	Neem.						

b)

d)

Thalleoquin test

Leibermann-Burchard test.

Alkaloids in cinchona bark are detected by

Nessler's test

Iodine test

2370 (13/06)

a)

c)

v)

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	vi)	Blacl	4 k catechu contains		WEST BENGAL University of Storegulary						
		a)	Acacatechin	b)	Hyosyamine Ulech						
		c)	Cannabidiolic acid	d)	none of these						
	vii)	The esters of unsaturated fatty acids of hydrocarpic acid are available in									
		a)	Clove oil	b)	Chaulmoogra oil						
		c)	Mustard oil	d)	none of these.						
	viii)	Rese	rpine is chemically								
<b>=</b>		a)	an alkaloid	b)	a flavonoid						
5		c)	a steroid	d)	a carbohydrate.						
11(p.// w w w.11)anaat.coll.j	ix)	Lignified trichomes can be seem in T.S. of									
^ ^		a)	Senna	b)	Nux Vomica						
<u>}</u>		c)	Vinca	d)	Rauwolfia.						
=	x)	Diace	etyl morphine is								
		a)	Codeine	b)	Heroin						
		c)	Papaverine	d)	Thebaine.						
	xi)	Digo	xin is found in								
		a)	Digitalis purpurea	b)	Digitalis lanata						
		c)	Digitalis thapsi	d)	Digitalis lutea.						
	xii)	Senn	na contains which type of Phytoc	constitu	ients ?						
		a)	Alkaloids	b)	Steroidal glycosides						
		c)	Terpenoids	d)	Anthraquinone glycosides.						
	2370 (13	/06)									



#### 5 **GROUP – B**

#### (Short Answer Type Questions)

Answer any three of the following questions.

 $3 \times 5 = 15$ 

- 2. Explain the histological and organoleptic characters of 'clove flower bud' with neat labelled diagram. 3+2
- 3. What is a carminative? What are the biological sources, chemical constituents and uses of clove and ajowan?
- 4. What are palisade ratio and stomatal index?
- 5. Write biological source, chemical constituents and uses of a drug which has got central analgesic activity.
- 6. Write about the morphological and microscopical characters of Coriander fruit with diagram.

#### GROUP - C

#### (Long Answer Type Questions)

Answer any three of the following questions.

 $3 \times 15 = 45$ 

- 7. What do you mean by Drug evaluation? Write in short about the techniques used during drug evaluation from natural sources.
- 8. Write notes on any *two* of the following :

 $2 \times 7\frac{1}{2}$ 

- a) Active constituents of Cinchona and its uses
- b) Alkaloids of Opium
- c) Active constituents of Ergot alkaloids.
- 9. What are crude drugs? What are the differences between organized and unorganized drugs? What are the various systems of classification of crude drugs? Which one of the classifications do you consider to be the best and why?

2370 (13/06)



- 10. Write the parts used, scientific name, family, chemical constituents and uses of any three of following :  $3 \times 5$ 
  - i) Nux Vomica
  - ii) Ergot
  - iii) Vasaka
  - iv) Cinchona.
- 11. What do you mean by purgatives? Discuss the biological source, geographical source, organoleptic character, chemical constituents, chemical tests and uses of Isabgol. Why are isabgol husks preferred to seeds. Give your answer with proper justification.

1 + 12 + 2

**END** 

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