REV-01 BPH/105/35/40

B. PHARM. FOURTH SEMESTER PHARMACOGNOSY & PHYTOCHEMISTRY I **BP405T**

SET

2023/06

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Time: 30 min.

(PART-A: Objective)

Choose the correct answer from the following:

- Which is the specific chemical test to confirm flavanoids..
- a. Vitali morin test
- c. Borntrager test
- The three types of alkaloids are:
 - a. True alkaloids, false alkaloids and neutral alkaloids
 - c. Proto alkaloids, non-proto alkaloids and pseudo alkaloids
- The example of pseudo alkaloid:
 - a. Caffeine
 - c. Quinine
- Senna respond to..
 - a. Goldbeater,s skin test
 - c. Borntrager test

- Siddha system of medicine is originated from.
 - a. Punjab c. Delhi
 - Like cures like is the principle of .
 - a. Ayurveda c. Unani
- Panchamahabhuta and tridosha theory is related to.. a. Ayurveda
- c. Unani
- Cotton consist of hairs of the seeds of .. a. Syzigium cumini
- c. Cyamopsis tetragonolobus Hemp and Jute are..
- a. Animal fibres
 - c. Mineral fibres

- Full Marks: 75
 - Marks: 20

 $1 \times 20 = 20$

- b. Proto alkaloids, pseudo alkaloids and
- false alkaloids d. True alkaloids, proto alkaloids and pseudo alkaloids
- b. Atropine

b. Shinoda test d. Mayers test

- d. Morphine
- b. Vitali morin test
- d. None of the above
- b. West Bengal
- d. Tamil nadu
- b. Homeopathy
- d. Siddha
- b. Homeopathy
 - d. None of the above
 - b. Ficus racemosa
 - d. Cassia angustifolia
 - b. Plant fibres
 - d. Synthetic fibres

10.	Serratiopeptidase is obtained from.				
	a. Bones	b.	Tissue		
	c. Silkworm	d.	Stomach of pig		
11.	Drug is not under the class of organized dr				
	a. Leaves	_	flowers		
	c. Fruits		Gums		
10					
12.	Drug is not an example of unorganized cru				
	a. Cinchona		Aloe		
	c. Agar		Colophony		
13.	The term pharmacognosy explained in the	boo	k		
	a. Materia medica		Pentsao		
	c. Analecta pharmacognistica	d.	Medicine		
14.	Parathion is a				
	a. Insecticide	b.	Rodenticide		
	c. Herbicide		Fungicide		
15.	Naturally occurring Auxin is				
	a. IBA	b.	Indole 3-acetic acid		
	c. NAA		None of the above		
16.					
	a. Intraspecific hybridization		Intravarietal hybridization		
	c. Interspecific hybridization		None of the above		
17.	Totipotency refers to		rone of the tibove		
17.	a. Development of fruits from flowers in	h	Development of an array from a self		
	a culture	υ.	Development of an organ from a cell in a culture Medium		
	c. Flowering in a culture medium	d.	All of the above		
10			7 m of the above		
18.	Plant tissue culture is technique of?				
	a. In vivo growing cells	в.	In vitro maintaining and growing		
	c. Growing plants in a greenhouse	d	cells		
		a.	All of the above		
19.	What are explants?				
	a. It's a part of plant or plant grown in a	b.	It's a part of plant under soil		
	test tube				
	c. Both a and b	d.	None of the above		
20.	Tissue culture technique was first practiced	by			
	a. White		Halperin		
	c. Haberlandt		Skoog		

....

[2]

(PART-B:Descriptive)

Time: 2 hrs. 30 min.		Marks: 35
	[Answer any seven (7) questions]	
1.	Write down the general steps involved in plant tissue culture(PTC)	5
2.	Explain the types of adulteration of crude drugs.	5
3.	Differentiate between organized and unorganized crude drugs.	5
4.	Write a note on edible vaccines.	5
5.	Write down the classification of alkaloids with examples.	5
6.	Write down the application of Plant tissue culture.	5
7.	Write down classification of natural allergens along with examples.	. 5
8.	Write down the sources, preparation and uses of Papain.	5
9.	Write a short note on Wool fat and Chaulmoogra oil.	5

(PART-C: Long type questions)

[Answer any two (2) questions]

1.	Discuss the factors affecting the cultivation of medicinal plants with suitable examples.	5+5=10
2.	Explain in details about the nutritional requirements of Plant tissue culture(PTC)	10
3.	What are marine drugs? Write down the novel medicinal agents	10

-- --- --

obtained from the marine sources.