Exam Date & Time: 28-Jul-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

	Pharmacognosy a	nd Phytochemistry - I [PCO-BP405T-	S1]
Marks: 75			Duration: 180 mins.
	I Multi	ple Choice Questions (MCQs)	
Answer all t	he questions.		Section Duration: 30 mins
1)	Which of the following crude d	rug is obtained from marine source?	
	Gelatin	Tragacanth Acacia	(1)
	1) 2)	3)	$\left \begin{array}{c} 4 \end{array} \right _{\text{Agar}} \left \begin{array}{c} (1) \\ \end{array} \right $
			Agai
2)	Stomatal index of Indian Senna	is	
	1. 1-3	17-20	(1)
	1) 1-3	2) 11-13 3)	4) 27-30
2)	Dargentage properties of stome	to and atomata plus anidomnal palls is	
3)	rescentage proportion of stoma	ta and stomata plus epidermal cells is	
	1) Stomatal number 2)	Stomatal Both of them Index 3)	None of (1)
		index 3)	them
4)	Following plant constituent is c	naracterized by high refractive index	
	Volatile		
	1) oil 2)	Fixed oil 3) Alkaloid	4) Glycoside (1)
		Off	
5)	Flavonoids are identified by the	following chemical test	
		Keller- Wagner's	(1)
	1) Borntrager's, test	2) kiliani, 3) test	4) Shinoda (1)
	test	test	test
6) Protoplas	fusion is also known as		
			on (1)
1) Cryop	reservation	2) hybridization 3)	on 4) Immobilization (1)
7)	Example for Micronutrient in pl	ant tissue culture is	
		Nitrog	gen
	1) Iron	2) Sulphur 3)	4) Calcium (1)
8)	Sterculia is an adulterant of		
	Acacia	Honey	(1)
	1) Tragacanth 2) Acada	(3) Honey	4) Agar
9)	Invert sugar is an equimolar mix	ture of Dextrose and	
		Galacto	ose (1)
	1) Glucose	2) Fructose 3) Galacte	4) Rhamnose
	-		

10)	Following Crude drug has marked acetic acid odour	_			
	Starch				
	Acacia Sterculia 2	(1)			
	1) Acacia 2) Stercuria 3) 4) Gelatin	(*)			
11)	Father of Genetics	_			
,	Gregor Johann 2 Friedrich 42 771	(1)			
	1) Seydler 2) Gregor Johann Sertürner 4) Theophrastus				
12)	Quinoline alkaloid formed by Amino acid	(1)			
	1) Tryptophan 2) Histidine 3) Cysteine 4) Glutamic acid	(1)			
13)	Drug with Antimalarial action (1				
	1) Nux-vomica 2) Artemisia 3) Vinca 4) Datura	(1)			
14)	Principle of Homeopathy				
	1) Tri-dosha theory 2) Similia Similibus Curentur 3) Yin and Yang 4) Wu-Xing	(1)			
15)	One of the following is not a Artificial methods of vegetative propagation				
	1) Cutting 2) Layering 3) Grafting 4) Seed propagation	(1)			
16)	Phototropism and Gravitropism in plants because of plant hormone	(1)			
	1) Auxin 2) Abscisic acid 3) Ctokinin 4) Ethylene	(1)			
17)	Which of the following crude drug is immediately dried at 60oC to deactivate the enzyme?	71)			
	1) Vasaka leaves 2) Digitalis leaves 3) Datura leaves 4) Senna leaves	(1)			
18)	Which of the following organism is widely used as Bio fertilizer?				
	1) Agrobacterium 2) Rizobium 3) E-coli 4) Pseudomonas (1)				
19)	Which of the following is a hallucinogenic agent				
	1) Nicotine 2) Strychnine 3) Lysergic acid diethyl 4) Pyrethroid	(1)			
20)	Which of the following is an example for crude drug of fungal origin.				
20)		(1)			
	1) Male fern 2) Musk 3) Ergot 4) Strophanthus II Long Answers				
Answer all 1	the questions.				
1)	1A. Write a note on various methods of drying of crude drugs. 5 Marks 1B. Describe Auxins and Cytokinins as phytohormones with applications. 5 Marks	(10)			
2)	Describe morphological and microscopical method of evaluation of crude drug.	(10)			
	III Short Answers				
Answer all t	he questions.				
1)	Discuss the role of Pharmacognosy in various alternative systems of Medicine.	(5)			
2)	Describe pharmacological classification of crude drugs with suitable examples. Give its merits and demerits.	(5)			

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3)	Explain the growth stages of plant tissue culture.	(5)
4)	What are Resins. Classify them with examples.	(5)
5)	Applications of plant tissue culture in Pharmacognosy.	(5)
6)	Give the source, preparation, chemical constituents and uses of Honey.	(5)
7)	What are Hallucinogens? Discuss any two drugs under the category.	(5)