Exam Date & Time: 25-May-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

	Q	uality Co	ontro	ol an	d Stan	dard	izat	ion	of :	Herl	oals [I	PC()-BP	806	_			
Marks: 75			1	r n /r_	-14:1 - 4	71 . .	C	.	4.	O	ACO-	`			Dı	uration	: 180	mins.
Answer all t	he quest	tions.	j	l IVII	ultiple (_noi	ce Q	zues	τιο	ns (1	MCQs) 		Se	ction	Duratio	on: 30) mins
1)	Soil conservation is achieved by																	
	1) Cro	op ation		17 N T	Inter croppin	g		3)	١ ١	Contc armii				41	All o above			(1)
2)	Propagation materials in GACP should be free from contamination and tolerant to the following abiotic factor										(1)							
	1) Bac	eteria	2)	Fur	ngus	3)	Ar	nima	ıls		4) M	ine	rals					()
3)	Domesticated, locally adapted, distinct identity of traditional variety of species are known as											(1)						
	1) Eco	otype	2)	Che	emotype	e	3)	Ph	eno	otype	e	4)	Lan	drac	es			(1)
4)	The ult	imate goa	al of	GM	P is													
	1) pro has pre man	nufacturing cess is as been scribed to intain the ndards)		the the 2) wel proggoo	eguar healt patie l as ducir d qua	h of nt a ng ality	S		3)		whiced to the state of the stat			4)	All of the above		(1)
5)	Fresh p	lant mate				deall	y ste	ored	at					I	,	-1	•	_
	1) 2 -	8 °C	2)	10 -	· 15 °C		3)	20 -	30) °C	4) 3	55 - 4	0 °C				(1)
6)	Scientific name of the plant is recorded in the following order																	
	1) spe	nus, cies, hor, nily		2)	Specie genus, author family	,			11	Auth genu spec fami	is, ies,			4)	Fami genu speci autho	s, es,		(1)
7)	Swellin	ng index i	s det	erm	ined for	which	ch o	f the	e fo	ollow	ing dr	ugs	}					
	1) Cinbar	ichona k		2)	Ispagh seeds	ula		3	4 N I	Cinn Bark	amon			41	None abov	e of the		(1)

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8)	Paracytic stomata is present in which of the following drugs												
	1) Vasaka 2) Senna 3) Digitalis 4) Pilocarpus												
9)	Example of drug containing Isoquinoline alkaloid												
	1) Nux-vomica 2) Datura 3) Opium 4) Clove												
10)	Liebermann-Burchard test is carried out for												
	1) Alkaloid 2) Tannins 3) Resins 4) Steroids (1)												
11)	To determine Ash value the crude drugs are ignited at												
	100 to 150 150 to 200 to 500 to (1)												
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$												
12)	Grant or renew the license for ASU drugs is described under Rule												
,	1) 158-B 2)												
13)	Control Samples for stability testing are generally stored at												
	Room 2 Refrigeration 4 Elevated (1)												
	1) temperature 2) Freezer 3) Kerngerature 4) Enevated temperature												
14)	Acceptance criteria indicates limits in quality control of herbal drugs												
,	Numarical (1)												
	1) Alphabetical 2) None of these 3) Therapeutic 4) None of these												
15)	Tests, procedures, acceptance criteria, and limits are the part of												
	1) Specifications 2) Standardization 3) Markers 4) None of these (1)												
16)	Human healthy volunteers are involved in Phase of clinical trials												
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$												
17)	The main objective of clinical trials is to validate of medicine												
	1) Safety 2) Quality 3) Estimation 4) Quantity (1)												
18)	Database related to herbal medicine and natural products are established in which of the												
	following countries? (1)												
	1) China 2) Japan 3) United States 4) All of these												
19)	Ayurvedic Pharmacopoeia of India came to existence in (1)												
	$\begin{vmatrix} 1 & 1992 & & & & & & & & & & $												
20)	Misbranded drugs has been defined and is under the section												
	1) 22E 2) 23EE 2) 33EEA 4) 22EED												
	1) 33E 2) 33EE 3) 35EEA 4) 33EEB												

II Long Answers

PCO-BP806ET about:srcdoc

Answer all the questions.

1) Discuss various identification tests for Alkalods, Glycosides, Steroids and Proteins (3+3+2+2=10 Marks) (10)

2) Explain role of Chemical and Biological markers in standardization of Herbal products. (10)

III Short Answers

Answer all the questions.

Answer an t	ne questions.	
1)	Describe the SOPs for the controlled cultivation of medicinal plants	(5)
2)	Explain the GLP (NGCMA) formation, scope and certification in India	(5)
3)	Explain HPTLC is a tool for standardization and quality control of herbal drugs	(5)
4)	Explain the challenges in stability testing of herbal drugs compared to synthetic drugs.	(5)
5)	Define and distinguish between herbal substance, herbal preparation and herbal medicinal product with suitable examples.	(5)
6)	Briefly discuss various steps involved in Research studies.	(5)

Write a note on Comparison of Indian Herbal and British Herbal Pharmacopoeia.

(5)

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7)

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