PARUL UNIVERSITY **FACULTY OF PHARMACY**

Го 1.00 рт.

B. Pharm. Winter 2019 - 20 Examination				
Sub	nester: 5 Dject Code: BP504T Dject Name: Pharmacognosy and Phytochemistry - II	Date: 28/11/2019 Time: 10.00 am T Total Marks: 75		
	tructions:	2,000		
	igures to the right indicate maximum marks.			
2. N	Take suitable assumptions wherever necessary.			
Q.1	Multiple Choice Questions (MCQs) (1 Mark Each)			
1.	Precursor for Acetate Mevalonate pathway is			
	a) Acetic acid	b) Isopentenyl pyrophosphate		
	c) Acetyl CoA	d) Farnesyl pyrophosphate		
2.	Dragendroff reagent is used for detection of			
	a) Alkaloid	b) Glycoside		
	c) Flavonoids	d) Resins		
3.	Glycoresins are made up of			
	a) Resins + Sugar	b) Resins + Volatile oil		
	c) Resins + Gum	d) Resins + Fixed oil		
4.	Caffeine is soluble in			
	a) Water	b) Organic solvent		
	c) Ether	d) None of Above		
5.	Which of the following volatile oil having specific	gravity more than one?		
	a) Mentha	b) Clove		
	c) Cinnamon	d) Fennel		
6.	Select the tanning containing antidiabetic drug.	,		
	a) Catechu	b) Amla		
	c) Pterocarpus	d) None of above		
7.	Digitalis is Glycoside	.,		
	a) Steroidal	b) Cardiac		
	c) Anthraquinone	d) Triterpenoids		
8.	Radioactive isotope of carbon is	,		
•	a) ¹² C	b) ¹⁰ C		
	c) ¹⁵ C	d) ¹⁴ C		
9.		, -		
	a) Umbelliferone	b) Muroxide		
	c) Combined umbelliferone	d) Vitalimorin		
10.	Most suitable chromatographic techniques for Volatile			
	a) HPLC	b) GC		
		, -		

	c) Combined umbelliferone	d) Vitalimorin	
10.	Most suitable chromatographic te	echniques for Volatile liquid is	
	a) HPLC	b) GC	
	c) MS	d) HPTLC	
11.	serves as a	a precursor for synthesis of steroids	
	a) Artemisin	b) Atropine	
	c) Diosgenin	d) Digoxin	
12.	Spectroscopic techniques for identification of functional group		
	a) IR	b) NMR	
	c) UV	d) MS	

13. Which of following drug has arenchyma in its microscopy a) Senna b) Cinchona

> c) Clove d) Cinnamon

(20)

14.	Keller-Kiliani'stest is used for identification of		
	a) Carboxysugars	b) Methoxysugars	
	c) Deoxysugars	d) None of above	
15.	Out of the following, which drug is known as Jethimadh?		
	a) Digitalis	b) Aloes	
	c) Clove	d) Liquorice	
16.	Antihypertensive drug from syllabus		
	a) Rauwolfia	b) Belladonna	
	c) Ginger	d) Artemisia	
17.	Camellia sinensis is botanical sources of		
	a) Ruta	b) Coffee	
	c) Ginger	d) Tea	
18.	Which of the following is not considered as moder	n method of extraction?	
	a) Modified maceration	b) Super critical fluid extraction	
	c) Liquid phase micro extraction	d) Percolation	
19.			
	a) Vinca	b) Podophyllotoxin	
	c) Taxol	d) All of above	
20.	How many vittae are present in fennel chremo	ocarp?	
	a) 12	b) 6	
	c) 2	d) 4	
Q.2	Long Answers (any 2 out of 3) (10 Marks Each)		(20)
1.	Define Alkaloid and glycoside and write about the	ir detail classification with examples.	
2.	Discuss Acetate Pathways: Acetate mevalonate and	d Acetate malonate.	
3.	Discuss Pharmacognosy any two drugs from follo	wing	
	(a) Aloe		
	(b) Asafoetida		
	(c) Opium		
0.2	Short Angreens (onc. 7 out of 0) (5 Mortes Each)		(25)
	Short Answers (any 7 out of 9) (5 Marks Each) Write difference between fennel and coriander.		(35)
1. 2.			
2. 3.	Discuss tracer technique. Discuss Super Critical Fluid Extraction.		
3. 4.	-	and Vinhlactina	
4. 5.	Industrial production and utilization of Vincristine and Vinblastine. Discuss complete Pharmacogosy of Liquorice.		
5. 6.		entification of herbal drugs	
0. 7.	Application of Spectroscopy in purification and identification of herbal drugs. Write difference between pale catechu and black catechu.		
8.	Industrial production and utilization of Sennoside OR Caffeine.		
9.	Discuss carotenoids.	OR Currente.	
7.	Discussional Current Control C		