Seat N	ю.:	Enrolment No		
	ARM –	UJARAT TECHNOLOGICAL UNIVERSITY SEMESTER II (OLD Syllabus) • EXAMINATION – SUMMER • 2 le: 220005 Date: 09-06-20		
U		me: Pharmacognosy-I		
Fime: 10:30 am - 01:30 pm Total Marks				
	uction	<u>-</u>		
	1. At 2. M	tempt any five questions. ake suitable assumptions wherever necessary. gures to the right indicate full marks.		
Q.1	(a)	Define seed. Explain types of seed with examples.	06	
<b>V.</b> -	(b)	Give difference between following;	05	
	(0)	(1) Heartwood and Sapwood	•••	
		(2) Raceme and Cymose inflorescence.		
	(c)	Write a note on underground modification of stem.	05	
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Q.2	(a)	What is fruit? Write a note on dry, dehiscent fruits with examples.	06	
	(b)	Explain following terms; (1) Pneumatopores (2) Sychonus (3) Stipule	05	
	(c)	Write a note on Mutation with its application for medicinal plants.	05	
Q.3	(a)	Explain histological difference between monocot and dicot leaf with suitable diagram.	06	
	(b)	Write a brief note on the following; (any two) (1) Phyllotaxy (2) Epiphytes (3) Aestivation	05	
	(c)	Explain plant growth regulators and write a note on gibberellins.	05	
Q.4	(a)	Explain soil, soil fertility, Altitude, irrigation and temperature as factors affecting cultivation of medicinal plants.	06	
	(b)	Write a note on Microscopical evaluation of Medicinal plants.	05	
	(c)	Define Pharmacognosy and explain scopes of this subject.	05	
Q.5	(a)	Write a note on Adulteration of crude drugs.	06	
	(b)	Give definition and chemical tests of the following; (any two) (1) Alkaloids (2) Tannins (3) Volatile oil	05	
	(c)	Enumerate different sources of crude drugs. Write a detailed note on	05	

animal source.

Q. 6	(a)	Define Lipids. Explain in detail, Fixed oil, Fats and Waxes with examples.	06
	(b)	Give Biological source, family, Chemical constituents and uses of following; (any two)  (1) Theobroma oil  (2) Alsi oil  (3) Lanolin	05
	(c)	Explain following sentences; (1) Cod liver oil can not be substituted by Shark liver oil. (2) Pectin is known as reversible colloid. (3) Sesame oil don't need external preservative for storage.	05
Q.7	(a)	Give definition, classification, Physical, chemical properties and pharmaceutical uses of carbohydrates.	06
	(b)	Give Biological source, family, chemical test and uses of following; (any two) (1) Honey (2) Starch (3) Isabgul	05
	(c)	Give difference between; (1) Persian Tragacanth and Indian Tragacanth. (2) Agar and Sodium alginate.	05

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