B.Sc. (CBCS Pattern) Sem-I USGEOT02 - Geology Paper-II (Minerology and Elementary Mineral Optics)

P. Pages : Time : Thr		purs	* 2 2 1 8	*	GUG/W/22/11553 Max. Marks : 50	
Note	s: 1 2		All questions are compulsory and carry equal marks. Draw neat sketches wherever necessary.			
1.		e a brief account of physical per and fracture.	properties of	mineral with reference	e to colour, hardness,	
			0	R		
	Writ i)	e notes on the following. Polymorphism	ii)	Isomorphism		
2.	Describe in brief the various silicate structures with example. OR					
	Describe the followings:i) Physical properties of albite and microclineii) Physical properties of quartz group.					
3.	Give a brief account of pyroxene group with reference to chemical, physical properties and geological occurrence of their members. OR					
	Writ i)	e notes on the following: Olivine group	ii)	Aluminous silicates		
4.	Draw a well labelled diagram of petrological microscope and describe its parts with functions.					
			0	R		
	Desc i)	cribe the following: Becke line method	ii)	Nicol prism		
5.	Writ a) b) c) d) e) f) g) h) i) j) k) l)	e on the following in note m Ionic bond Definition of a Mineral Streak Piezoelectricity Name any two feldspathoid Cleavage in mica Form of Tremolite Cleavage of hornblende Hardness of Actinolite Plane polarized light Ordinary light Retraction	S		y ten.	
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