Bachelor of Science (B.Sc.) (CBCS Pattern) Second Semester CBCS **USGEOT04** - Geology Paper-II (Crystallography and Optical Minerology)

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P. Pages: 1 Time: Three Hours							GUG/W/18/11583 Max. Marks : 50	
	Notes: 1. All questions are compulsory and carry equal marks. 2. Draw neat sketches wherever necessary.							
1.			e Law of "Constand f a crystal with a he	•			you measure interfacial	
					0	R		
	Do a)		e the following:- ystal Notations		b)	NaCl Crystal Structu	ure	
2.		Give axial and symmetry elements of Baryte class of orthorhombic crystal system and describe its forms with millerian indices.						
					O	R		
	 Write on the following:- a) Axial and symmetry elements of Galena class of cubic crystal system b) Ditetragonal Prism and Tetragonal Prisoms. 							
3.	Give a brief account of Gypsum class of Monoclinic crystal system with reference to axial, symmetry elements and forms with Miller's Indices. OR							
	D(a) b)	Ax	e the following:- xial and Symmetry exagonal prisms and					
4.	What is an extinction? Describe various types of extinction with diagrams. OR							
	(a) (c)	Ky	optical properties vanite bradorite	of the foll	_	inerals with diagrams: Microcline Olivine	-	
5.	w a) c) e) g) i) k)	De So Oc Qu Sie	n the following in a efine Crystal lid Angle etahedron aarter Pyramid de Pinacoid nisotropism	b) d) f) h) j)	Edge Cube Dodecal Symmet Twinklin	ry elements of Axinite	2	
