FirstRa	ank	Enrolment	No.
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	GUJ	ARAT TECHNOLOGICAL UNIVER	SITY
		EMESTER-III (New) EXAMINATION - WINT	
Subject Co	ode: 31	32203 E	Date: 3/12/2019
Subject Na			
•			Cotal Marks: 70
	ttemnt s	ll questions.	
	-	able assumptions wherever necessary.	
		the right indicate full marks.	
			Marks
		Define:	
	Q.1 (a		03
	_	ii. Mineralogy	
	(b) Write a note on internal structure of the earth.	04
	(c	Explain different branches of geology and their application.	07
		application.	
	Q.2 (a) Differentiate between weathering and denudation.	03
	2. -	Define:	
		i. Erosion	
	(b		04
		iii. Attrition	
		iv. Frost action	~
	(c	Write a note on scope of geology in mining. OR	07
		Write the role of plate tectonics and continental	~
	(c	drift on structural features of the earth.	07
		Arrange the following minerals on the scale of	
	Q.3 (a	increasing hardness as per the Moh's hardness	03
		scale: Feldspar; Calcite; Talc; Diamond; Topaz;	
	ſh	Gypsum; Apatite; Corundum; Fluorite; Quartz) Write a note on geological mapping.	04
	(b (c		07
	, C	OR	
		Define:	
	Q.3 (a	i. Bedding plane	03
	Q. 5 (a	11. Dip	00
	a	Viii. Strike	0.4
	(b		04 07
	(c	Define:	07
	04 (i Folds	02
	Q.4 (a	ii. Faults	03
		iii. Unconformity	
	(b		04
	(C	Write a note on quartz family of minerals. OR	07
		UK	

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Q.4	(a)	Write a note on unconformity.	03
	(b)	Classify types of faults.	04

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				tRanker.com		
		i. Shat	ft a.	Horizontal entry to th	ie ore	
Q.5	(a)			body	03	
		ii. Adit		Used for sampling		
		iii. Trer	nch c.	Vertical or inclined	1	
		Erralain dif	former to the	opening to the ore bo pes of drilling method	5	
	(b)	1	•	11/1		
	(\mathbf{a})	its applicab Explain the				
	(c)	Explain the	S. 07			
		OR Give the fullform and uses for the following				
		abbreviatio		nd uses for the followi	0	
Q.5	(a)		GPS		03	
			GIS			
				of percussive drilling.	04	
	(-)			are of image interpreta	tion of or	
	(c)	aerial photo	07			
		_	-			

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