M.Sc. (Geology)(with Credits)-Regular-Semester 2012 (Old) / (CBCS Pattern) Sem I

P. Pages: 1		0169 / PSCGEOT02 - Paper-II : Igneous Petro			logy GUG/S/18/3463
Time: Three Hour		<b>                                   </b>		Max. Marks: 80	
Notes :	1. 2.	All questions are cor Draw neat sketches		• •	
<b>1.</b> D	escrib	e magma with its natu	ire and composi	tion.	
			C	)R	
		otes on –			
a)		yered complexes. antle heterogeneities.			
b)					
c) d)		nemical characteristics ontinental Margins.	or igneous roci	KS.	
<b>2.</b> D	escrib	e phase equilibrium st	tudies with exar	nple of ternary systems.	
			C	)R	
W	/rite n	otes on –			
a)		fferentiation.			
<b>b</b> )		quid immiscibility			
c)		nary systems			
d	) Fra	actional crystallizatior	1		
<b>3.</b> D	Describe Major, Trace and rare earth element systematics in igneous rocks.				
			C	)R	
		otes on –			
a)		rker diagrams.			
<b>b</b> )		umina Saturation			
c)		quid lines of descent			
Ċ	) Ai	FM diagram.			
<b>4.</b> D	Describe in detail weight norm and cation norm.				
			C	)R	
		otes on	1 \	D 1	
a) c)	_	APF diagram. mberlite.	b) d)	Basalt. Komatiite.	
		nort notes on-			
a b c d e f		ontinental Rifts.			
		ontinetal intraplates			
		agma genesis vnamic melting			
		AS diagrams.			
		g number			
g)		ilite			
h)		rbonatite.			

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