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B.Sc. (Part—I) Semester—II Examination

GEOLOGY (New)

(Igneous, Sedimentary and Metamorphic Petrology)

Time :	Three	Hours	s]		[Maximum Marks : 80)	
Note :— (1)		All the questions are compulsory.					
	(2)	Draw well labelled diagrams wherever necessary.					
1. (A) Fill	in the blanks:					
	(i)	Rocks crystallized at great depth are called Igneous rocks.					
	(ii)	Thermal metamorphism is due to a factor.					
	(iii)		is deposits built at mouth of streams usually triangular in shape.				
	(iv)	The felsic minerals in igneous rock are color and in density.					
(B) Cho	ose the correct alternatives :					
	(i)	The silica content is less than 45 % then rock is known as:					
		(a)	Basic rock	(b)	Ultrabasic rock		
		(c)	Intermediate rock	(d)	Acidic rock		
(ii)		Gneiss is:					
		(a)	Igneous rock	(b)	Sedimentary rock		
		(c)	Metamorphic rock	(d)	Ore		
(iii)		Why basalt is fine grained than gabbro?					
		(a)	(a) Basalt has mafic composition				
		(b)	(b) Gabbro has mafic composition				
		(c)	(c) Basalt formed from quick cooling of magma				
(iv)		(d) Gabbro formed from quick cooling of magma					
		The particles or grain size of gravel:					
		(a)	0.1 mm to 2 mm	(b)	More than 2 mm		
		(c)	Less than 1 mm	(d)	0.01 to 0.1 mm	2	
(C) Ans	wer the following in one or two sentences:					
	(i)	What is metamorphic rock?					
	(ii)	What is rudaceous rock?					
	(iii)	What	is delta formation?				
	(iv)	What	is phase rule?	2	1		
2. W	hat is	textur	e? Describe in detail the var	ious	textures in igneous rock.	2	
	OR						
W	hat is	igneo	tructures in igneous rock.	2			