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## B.Sc. (Part-III) Semester-VI Examination

6S: GEOLOGY

Time: Three		`hree	Hours] [Maximum Marks :	: 80		
Note :—(1)			All questions are compulsory.			
		(2)	Draw a neat diagram wherever necessary.			
1.	(A)		in the blanks:			
	(i) Sample collected along the line of suitable interval is called .					
	(ii) The of a fault is the angle of inclination of fault plane measured from the					
	vertical.					
	(iii) A fault which runs parallel to the strike of strata is called fault.					
	(iv) Mineral exploration is the process of finding to mine.			2		
	(B)		ose the correct alternatives :			
	(i)		The total displacement measured along the fault plane is known as:			
			(a) Throw (b) Strike			
			(c) Net-slip (d) All of the above			
		(ii)	The instrument used to view the aerial photograph in 3D:			
			(a) Pocket or mirror stereoscope (b) Goniometer			
			(c) Rotimeter (d) All of the above			
	(iii) When platy of flaky mineral orient themselves parallel to one another, th			the		
			texture is called as :			
			(a) Foliation (b) Liniation			
		020 0	(c) Lithification (d) All of the above			
(iv) The low angle faults are those which have		(iv)	The same of the sa			
			(a) less than 45° (b) less than 10°			
	979270.77		(c) more than 45° (d) less than 100°	2		
	(C) Answer in one or two sentences:					
		(i)	What is stress?			
		10 100	What is reverse fault?			
			What is exploration?	###		
020	1000000		What is aerial photo?	4		
2.	Wha	at is	stress and strain? Describe in detail behavior of rock with depth.	12		
	OR					
_	Describe the method of determining strain by using bilateral symmetrical fossils.					
3.			the following:	4		
			mal fault.	4		
	(b)		eation.	4		
(c) Causes of faulting. 4 OR						
			OK			
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	(p)	Recognition of fault in fieldwww.FirstRanker.com	www.FirstRanker.com
	(q)	Part of fault.	4
	(r)	Horst and graben.	4
4.	Exp	lain the following:	
	(a)	Drift and crab.	4
	(b)	Mirror stereoscope.	4
	(c)	Overlap and sidelap.	4
		OR	
	(p)	Stereo-pairs.	4
	(q)	Pocket stereoscope.	4
	(r)	Lithological interpretation of aerial photos.	4
5.	Exp	lain the following:	)*
	(a)	Application of remote sensing.	4
	(b)	Shape and size of aerial photo.	4
	(c)	Tone and texture of aerial photo.	4
		OR	
	(p)	Scale of photograph.	4
	(q)	Vertical exaggeration.	4
6.	(r)	Application of photogeology	4
	Exp	plain the following:	
	(a)	Channel sampling.	4
	(b)	Criteria and guides to ore search.	4
	(c)	Coning and quartering.	4
		OR	
	(p)	Car sampling.	4
	(q)	Chip sampling.	4
	(r)	Calculation of grade and ore reserves.	4
7.	De	scribe in detail geophysical magnetic method.	12
		OR	
	De	scribe in detail geophysical electrical method.	12

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