

YBC -15335

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(Contd.)

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

6S: GEOLOGY

Time: T	hree Hours]	[Maximum Marks: 80			
Note:—(1) All questions are compulsory.					
	(2) Draw a neat diagram wherever nece	ssary.			
1. (A)	 (A) Fill 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)	(B) Choose the correct alternatives :				
	(i) The total displacement measured alo				
	(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				
	(c) Rotimeter (iii) When plats of fluks mineral orient	(d) All of the above			
	(iii) When platy of flaky mineral orient themselves parallel to one another, then the texture is called as:				
	(a) Foliation	(b) Liniation			
	(c) Lithification	(d) All of the above			
	(iv) The low angle faults are those which have dip:				
	(a) less than 45°	(b) less than 10°			
	(c) more than 45°	(d) less than 100° 2			
(C)	(C) Answer in one or two sentences:				
	(i) What is stress?				
	(ii) What is reverse fault?				
	(iii) What is exploration?				
	(iv) What is aerial photo?	4			
 What is stress and strain? Describe in detail behavior of rock with depth. 					
OR					
	ribe the method of determining strain by	using bilateral symmetrical fossils. 12			
	ain the following:				
4. 4	Normal fault.	4			
	Lineation.	4			
(c) Causes of faulting. 4 OR					

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	(p)	Recognition of fault in fieldwww.Fir	stRanker.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
		()R	
	(p)	Stereo-pairs.		4
	(q)	Pocket stereoscope.		4
	(r)	Lithological interpretation of aerial p	photos.	4
5.	Exp	blain the following:		
	(a)	Application of remote sensing.		4
	(b)	Shape and size of acrial 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
	Ex	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 reserve	28.	4
7.	De	scribe in detail geophysical magnetic	method.	12
			OR	
	De	scribe in detail geophysical electrical	method.	12

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