B.Sc. (Part—III) Semester—VI Examination 6S: GEOLOGY

	W . GEOLOG	*
Time: Thre	ec Hours]	[Maximum Marks : 80
Note :(1)) All questions are compulsory.	
(2)) Draw neat and well labelled diagrams	wherever necessary.
1. (A) Fil	ll in the blanks :—	2
(i)) A fault in which hanging wall has mov	ed upward relative to footwall is called
	as	
(ii	i) method is based on measure	ment of gravity differences.
(ii	ii) A photograph taken with optical axis of	camera tilted is called photo.
(iv	v) Water appears on satellite in	nagery.
(B) Ch	hoose the correct alternatives :-	2
(i)) Instrument used to view aerial photograp	ohs in 3-dimension :
	(a) Theodolite (b)	Stereograph
	(c) Stereoscope (d	Stereogram
(ii	i) The principal behind gravity method is	
	(a) Gravitational pull (b)	Magnetic susceptibility
	(c) Conductivity (d)	None of the above
(ii	ii) When stress on all the parts of body is	equal then it is termed as
	(a) Homogeneous (b)	Inhomogeneous
	(c) Strain (d)	Rupture
(iv	v) The vertical displacement in fault is known	own as :
	(a) Throw (b)	Heave
	(c) Slip (d)	Hade
(C) An	nswer in ONE or TWO sentences:—	4
(i)) What is Normal fault ?	
(ii	i) What is Photogeology?	
(iii	i) Define Strain.	
(iv	v) What is Lineation ?	
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2.	Explain the following:—		
	(a) Deformation		4
	(b) Stress and strain		4
	(c) Pore fluid pressure	OR	4
	(p) Effect of temperature	OK .	4
	(q) Mohr's circle.		4
	. 17	een stress-strain and time.	4
3.	•	e the classification of faults in detail.	12
		OR	
	What is Lineation? Descri	ribe the various types of lineation.	12
4.	Explain the following:		
	(a) Importance and uses	of Photogeology and Remote sensing.	4
	(b) Lens stereoscope.		4
	(c) Aerial photographs.		4
		OR	
	(p) Photo Mossaics.		4
	(q) Overlap and Sidelap.		4
_	(r) Pocket stereoscope.		4
5.	Describe the guidelines to	or structural interpretation in detail. OR	12
	Describe the various elem		12
6.	Describe the following:—	*	12
0.	(a) Lithological controls		4
	(b) Channel sampling.	of ore localization.	4
	(c) Bore hole sampling.		4
	(*)	OR	
	(p) Chip sampling.		4
	(q) Coning and quartering	g method.	4
	(r) Calculation of ore re		4
7.	Explain the following :-		
	(a) Resistivity method		4
	(b) Geobotanical method	of exploration.	4
	(c) Geochemical cycle.		4
		OR	
	(p) Magnetic method.		4
	(q) Gravity method.		4
	(r) Geochemical method.		4
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