6.	Discuss the following:		
	(a)	Structural control	

- ols of ore localisation.
- Drill hole sampling
- Calculation of ore reserves.

OR

- Mineral prospecting and exploration.
- Channel sampling
- Coning and quartering.

Discuss the following:

- Gravity method
- Electromagnetic method
- Geochemical cycle.

OR

- Magnetic method
- Self potential method
- Geochemical prospecting.

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

Time: Three Hours

[Maximum Marks: 80

Note:—(1) ALL question are compulsory.

- Draw neat and well labelled diagrams wherever necessary.
- (A) Fill in the blanks:
 - In inclined fault, the block that lies above the fault plain is known as _____.
 - (ii) For ground water exploration the _____ method is best suited.
 - The oblique photographs in which the horizon is seen are called as _____ photographs.
 - (iv) If the amount of strain in all parts of a body is equal, the strain is said to be _____strain.

Choose correct alternatives:

- The scale of aerial photograph is expressed as _
 - S = Altitude/Focal length
 - S = Focal length/Altitude
 - $S = Altitude \times Focal length.$

1

(Contd.)

(ii	In faulting, the horizontal component displacement is called as	of	(c) Types of Deformation.		
(iii) (iv)	(a) Heave (b) Throw (c) Fault plane.		(p) Stress and strain (q) Strain Ellipsoid		
	,	11_3	(r) Behaviour of rock with depth. 12		
	parallel to one another, then the texture is cal as	3.	Define fault and describe the classification of faults in detail.		
	(a) Foliation		OR		
	(b) Lineation (c) Crenulation.		What is meant by foliation? Describe the origin and various kinds of foliation.		
	(c) Crenulation.v) The geochemical prospecting method is suita	able 4.	Describe the following:		
	mostly for:	ache	(a) Aerial photos and its types.		
	(a) Industrial minerals		(b) Over lap and side lap		
	(b) Rock forming minerals(c) Metallic ore minerals.	2	(c) Pocket stereoscope.		
(0)	nswer in ONE or TWO sentences:	2	OR		
` '			(p) Satellite Imageries		
(i) (ii)	,		(q) Drift and Crab		
`	,		(r) Mirror stereoscope. 12		
	,	5.	Describe the different elements of photorecognition in detail.		
2. Explai	n the following:		OR		
(a) S	train and its types		Write in detail about the different guidelines for interpretation		
(b) Mohr's Circle.			of aerial photographs.		
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