AR - 611

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

GEOLOGY - 6S

P. Pages:	5		
Time: Th	ree Hours]		[Max. Marks : 80
Note		•	compulsory. lled diagram wherever
1. (A)	Fill in the	blanks :—	
		-	ment measured along called the ———
	axis o		graphs taken with the vertical position are
			exploration ————————————————————————————————————
	body i		different parts of the he strain is said to be 2
(B)	Choose con	Choose correct alternatives :-	
	in fau (a) Ti	lting is terr	onent of displacement ned as —— (b) Heave
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	(ii)	When prismatic or rodlike minerals orient themselves parallel to one another then the texture is called ———		
		(a) Lineation (b) Foliation		
		(c) Fracture		
	(iii)	The polished or striated surfaces produced due to faulting are termed as		
		(a) Axis (b) Slickensides		
		(c) Shear lines		
	(iv)	In the gravity method of exploration there is a measurement of		
		(a) Magnetic anomaly		
		(b) Density contrast		
		(c) Electrical conductance. 2		
• (C)	Ans	nswer in one or two sentence:—		
	(i)	What is stereopair ?		
	(ii)	Define Horst.		
	(iii)	What is car sampling ?		
	(iv)	Give the principle of Magnetic Method.		
		tress and strain. Describe the Initial object method for determination of strain.		
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OR

Describe the different types of strain and rock deformations in detail. Add a note on behaviour of rock with the depth.

- 3. Describe the following:-
 - (a) Geometrical classification of faults.
 - (b) Lineation and it's origin.
 - (c) Causes of faulting.

OR

- (p) Foliation and it's kinds.
- (q) Evidences of faulting.
- (r) Horst and Graben.

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- 4. Give an account of the following:-
 - (a) Photo Mosaic and stereopair.
 - (b) Construction of pocket stereoscope.
 - (c) Corrections in Aerial photos.

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OR

- (p) High oblique and low oblique photos.
- (q) Principle of Mirror Stereoscope.
- (r) Remote Sensing.

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- 5. Describe the following:
 - (a) Scale of Aerial Photographs.
 - (b) Shape and size of objects in photo recognition.
 - (c) Application of Remote Sensing.

OR

- (p) Patterns in Aerial photographs.
- (q) Tone and Texture.
- (r) Guidelines for Lithological interpretation.

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6. What is prospecting? Describe the various criteria and guides to Ore search.

OR

Define Sampling. Describe the different types of sampling in detail.

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- 7. Give an account of the following:-
 - (a) Seismic Method.
 - (b) Resistivity Method.
 - (c) Geobotanical Prospecting.

OR

- (p) Gravity Method.
- (q) Magnetic Method.
- (r) Geochemical Cycle.

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