AS-1479

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

Time: Three Hours]					[Maximum Marks : 80		
	Note	e :	(1)	ALL questions are compu	lsory.	•	
			(2)	Draw well labelled diagram	ms wherev	er necessary.	
1.	(A)	Fill	in th	ne blanks :		2	
		(i)	The	instrument is used to view	the aerial	photograph in 3.D. is called	
		(ii)	Cor	nning and quartering method	d is used f	or	
		(iii)	Art	of collection of sample is	known as		
		(iv)	Seis	smic method is widely used	for prosp	ecting	
	(B)	Cho	ose	the correct alternative :		2	
		(i)	San	aple collected along the line	at suitab	le interval :	
			(a)	Chip sample	(b)	Bulk sample	
			(c)	Bore hole sample	(d)	None of the above	
		(ii)	The	cheapest, easiest and faste	st geophys	ical method is	
			(a)	Electrical	(b)	Gravity	
			(c)	Seismic	(d)	Magnetic	
		(iii)	Dril	l-hole sampling method is	used for :		
		,	(a)	Ore depo. at greater depth	(b)	Ore depo. at shallower depth	
			(c)	Ore depo. at the surface	(d)	None of the above	
		(iv)		•		blocks more past each other are called	
		` '	as :		• •		
			(a)	Joints	(b)	Faults	
			(c)	Shear	(d)	None of the above	
VTM-	—142	202			1	(Contd.)	

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	(C) Answer the following	g in one sentence :	4
	(i) What is Foliation	n ?	
	(ii) What are Revers	e Faults ?	
	(iii) Define Remote S	Sensing.	
	(iv) What is Strain?		
2.	Explain the following:		•
	(a) Effect of temperature		4
	(b) Stress-Strain		4
	(c) Types of deformation		4
		OR	
	(p) Effect of confining pr	ressure	. 4
	(q) Strain by initial spher	ical objects	4
	(r) Inter-relationship of s	train and time.	. 4
3.	What are faults ? Describe	e the nomenclature of fault.	12
		OR	
	What is Lineation? Descri	ribe the various types of Lineation.	12
4.	Explain the following:		
	(a) Scope of photogeolog	y and remote sensing	4
	(b) Pocket stereoscope		4
	(c) Aerial photograph.		4
		OR	
A/TN	4—14202		20
VIN	17202	2	(Contd.)

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	(p)	Satellite imageries	4
	(q)	Drift and Crab.	4
	(r)	Overlap and Sidelap.	4
5.	Des	cribe in detail the different elements of photo-recognisatoin.	12
		OR	
	Des	cribe the guidelines for lithological interpretation.	12
6.	Exp	lain the following:	
	(a)	Structural control of ore localisation.	4
	(b)	Drill hole sampling	4
	(c)	Polygon method.	4
		OR	
	(p)	Channel sampling	4
	(q)	Conning and quatering method.	4
	(r)	Isopach method.	4
7.	Exp	lain the following:	
	(a)	Gravity method	4
	(b)	Geochemical cycle	4
	(c)	Surface geophysical method.	4
		OR	
	(p)	Magnetic method	4
	(q)	Resistivity method	4
	(r)	Geobotanical method.	4
VT	v114	202 3	325

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