B.Sc. Part—III Semester—V Examination 5S: GEOLOGY

Time : Three Hours]							Maximum Marks: 80				
		Not	e:	-(1)	All questions are	compulso	ry.	•			
				(2)	Draw neat sketch	es wherev	er n	ecessary.			
1.	(A)	Fill in the blanks :—									
		(i)	Perc	ched	Aquifer occurs in		Zon	e.			
		(ii)	The plastic layer of the mantle is called								
					ontinental crust is k						
							surr	ounded by a universal ocean named	 2		
	(B)	Choose the correct alternative :—									
		(i)			_			arallel arrangement of limb:			
			` ′		clinal fold	` '		eclined fold			
		(11)	, .	-	nmetrical fold			nevron fold			
		(11)		_				formation of both outlier and inliers.			
			(a) (c)					ulting II the above			
		Giii	. ,		zone is :	(α,	A	if the above			
		(111)			ne of aeration	(b)	7.0	one of saturation			
			` ′		eatic zone	` '		If the above			
		21 X	. /								
		(1V)	Younger bed will always be found in the :								
			(a)	Opp	posite direction of c	lip (b)	Di	rection of dip			
			(c)	Dire	ection of strike line	(d)	N	one of these			
	(C)	Answer in ONE sentence :—									
		(i)) Width of outcrop.								
		(ii)	Porosity								
		(iii)	Strike Joints and Dip Joints.								
			v) Plunge of fold.								
		(**)	1 1011	500							
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<u> </u>	Exp	lain the following —				
	(a)	Clinometer compass.	+			
	(d)	Non emformity	-1			
	(0)	Dip and its types.	-1			
		OR				
	(p)	Brunton compass.	†			
	(q)	Angular Unconformity.				
	(r)	Onlap-offlap.	1			
3.	Explain the following:					
	(a)	Fold and its parts.	, L			
	(b)	Causes of folding.				
	(c)	Genetic classification of joints.	4			
		OR				
	(p)	Anticline and syncline.	-‡			
	(q)	Recognition of fold in field.	4			
	(r)	Geometric classification of joint.	-‡			
4.	Wh	at is Isostasy? Describe in detail the isostatic balance maintained within the Eart	h-Crust. 12			
		OR				
		e a brie: account of the internal structure of the Earth. What are the major charac n region ?	eteristics of 12			
5.	Wha	at is continental drift? Describe in detail various evidences of continental drift.	12			
		OR				
	Wh	at are Plates? Describe the various type of plate margins.	12			
6.	Explain the following:—					
	(a)	Occurrence and distribution of Ground water.	1			
	(b)	Confined Aquifer.	1			
	(0)	Storage coefficient.	4			
		OR				
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	(p)	Liydrologic cycle.		4
	(q)	Confined Aquiter.		4
	(r)	Porosity-Permeability.		4
7.	Ехр	lain the following: -		
	(a)	Cone of depression.		4
	(b)	Recharge and discharge.		4
	(c)	Influent-effluent seepage.		4
			OR	
	(p)	Darcy's law.		-‡
	(c_i)	Deccan trap Groundwater provience.		4
	(r)	Validity of Darcy's Law		1

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