(Contd.)

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

Tim	ie : Tl	nree l	Hour	ss]		[Maximum	Marks: 80	
	Not	e :	-(1)	All questions are compulsor	у.			
			(2)	Draw neat sketches wherev	er necessary.			
1.	(A)	Fill	in th	e blanks :				
		(i)	The	upper surface of the saturati	ion zone is	•		
		(ii)	The	line of maximum curvature	in a Fold is k	nown as		
		(iii)	Lov	Lower continental crust is known as				
		(iv)	ent was named	2				
	(B)	Cho	ose t	the correct alternatives:				
		(i)	Wh	ich Fold has got angular cres	t?			
			(a)	Chevron Fold	(b)	Open Fold		
			(c)	Box Fold	(d)	Cylindrical Fold		
		(ii)						
			(a)	Vector Quantity	(b)	Scalar Quantity		
			(c)	Both (a) and (b)	(d)	None of these		
		(iii)	Cla	y is an example of:				
			(a)	Aquifer	(b)	Aquiclude		
			(c)	Aquitard	(d)	Aquifuge		
		(iv)	An	unconformity shows:				
			(a)	Difference in Composition	(b)	Difference in Ages		
			(c)	Difference in Location	(d)	Difference in Structure	2	
	(C)	Answer in <b>one</b> sentence each:						
		(i)		ine strike.				
		(ii)		rage coefficient.				
		-		ine porosity.				
				at are unconfined Aquifers?			4	
2.	•			llowing:		4		
	(a)	· · · · · · · · · · · · · · · · · · ·						
	(b)	•					4	
	(c)	Win	aow	s – Klippe.	ΩD		4	
	(n)	Λ = α	nules '	Unaanformity	OR		4	
	(p)	_		Unconformity - On lap			4 4	
	(q)			its types.			4	
	(r)	Dib	and	ns types.			4	

пцр	.// w v	vw.sgoauoiiiiie.com/					
3.	Wri	te in brief on the following:					
	(a)	Recognition of Fold	4				
	(b)	Geometrical classification of Joints	4				
	(c)	Chevron Fold	4				
		OR					
	(p)	Joints and its types	4				
	(q)	Fold and its parts	4				
	(r)	Causes of Folding.	4				
4.	Wh	at is an Isostasy? Discuss any two hypotheses which explain the Isostasy.	12				
		OR					
	Exp	plain in brief the Wegener's theory of continental drift and give evidences that suppor	rt this				
	thec	ory.	12				
5.	Dis	Discuss the following:					
	(a)	Paleomagnetism	4				
	(b)	Seafloor spreading	4				
	(c)	Convergent Plate Boundary.	4				
		OR					
	(p)	Causes of Plate-Tectonics	4				
	(q)	Mid-Oceanic ridges	4				
	(r)	Divergent Plate Boundary.	4				
6.	Explain the following:						
	(a)	Type of Aquifer	4				
	(b)	Water-Table	4				
	(c)	Porosity-Permeability.	4				
		OR					
	(p)	Hydrological cycle	4				
	(q)	Recharge of Ground water	4				
	(r)	Vertical distribution of Ground water.	4				
7.	Des	scribe in detail the Darcy's Law for movement of ground water along with its validity.	12				
		OR					
	Giv	e an account of ground water provinces of India.	12				