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## B.Sc. (Part—I) Semester—II Examination GEOLOGY (Old) (Upto Summer—2019)

Im	ie : I	hree	Hou	irs]			[Maximum Marks :	80	
Not	e :	(1)	Que	estion No. 1 is compulsory.					
		(2)	Solv	ve total seven questions.					
		(3)	Dra	w well labelled diagram wh	nerever ne	cessary.			
1.	(A)	Fill	in th	ne blanks :					
		(i)	Twi ligh	nkling effect is best show t.	vn by the	mineral	under plane polari	sed	
		(ii)	Bov	ven's reaction series is div	vided into	and _	series.		
		(iii)	Suti	are the characteristic of	of Phyllun	n			
		(iv) The valuable economical mineral diamond occur					super group.	2	
	(B) Choose the correct answer:								
		(i) The light vibrates only in one plane called as:							
			(a)	Ordinary light	(b)	Polarised light			
			(c)	White light	(d)	None of above			
		(ii)	The	rock with higher percent	age of fel	sic minerals are	called as :		
			(a)	Leucocratic	(b)	Mesocratic			
			(c)	Melanocratic	(d)	All of above			
		(iii)	iii) The common rocks found in Archean super group are :						
			(a)	Igneous Rocks	(b)	Sedimentary Ro	cks		
			(c)	Metamorphic Rocks	(d)	None of above			
		(iv)	The	two valves of Brachiopo	d shell ar	re joined together	along a line reffered	l to	
			(a)	Radial line	(b)	Hinge line			
			(c)	Straight line	(d)	None of above		2	
	(C)	Ans	wer	in one or two sentences :					
		(i)	Wh	at is pleochroism ?					
		(ii)	Wh	at is reflection and refract	tion ?				
		(iii)	Wh	at are Rain print ?					
		(iv)	Wh	at is dextral coiling?				4	
2.	Describe the various optical properties of Mineral under plane po						plarised light.		
					OR				
		at is		rising microscope ? Desc	ribe in de	etail, the parts an	d function of polaris	ing	

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Describe the following:

- (a) C.I.P.W. classification.
- (b) Basic Igneous rocks.
- (c) Discontinuous Reaction series.

OR

- (p) Tabular classification of lyneous rocks.
- (q) Acidic Igneous rock.
- (r) Granite-Granodiorite.

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- Explain the following :
  - (a) Non-clastic texture.
  - (b) Current bedding.
  - (c) Schistose structure.

- (p) Granulose texture.
- (q) Slate.
- (r) Classification of metamorphic rocks.

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- Describe the following :
  - (a) Suture of cephalopods.
  - (b) Classification of Brachiopoda.
  - (c) Geological history of Lamellibranchia.

OR

- (p) Dentition in Lamellibranchia.
- (q) Morphology of Brachiopoda.
- (r) Geological history of Gastropoda.

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7. Describe the classification, geological distribution, lithological characters, fossil content and economic importance of Vindhyan super-group.

Describe the classification, geological distribution, lithology and fossil content and economic importance of Dharwar-Super group. 12