4.	Explain the following:—	AR - 515
	(a) Mineralogical classification. 4	Second Semester B. Sc. (Part-I) Examination
	(b) Ultra basic rocks. 4	GEOLOGY
	(c) Granite. 4	Paper – 2 S
	OR	P. Pages: 5 Time: Three Hours] [Max. Marks: 80
	(p) Bowens reaction series. 4	Note + (1) Ourstian no. 1 is compulsed.
	(q) Allcoline rocks. 4	Note: (1) Question no. 1 is compulsory. (2) Solve total Seven questions.
	(r) Basalt. 4	(3) Draw well labelled diagram wherever necessary.
5.	What are metamorphic rocks? Describe the texture and structure of metamorphic rocks.	(A) Fill in the blanks:— (i) Garnet is between cross nicols.
	OR	(ii) The end member of Bowen's reaction
*	What are sedimentary rocks? Describe the classification of sedimentary rocks.	series (iii) Mylonite is a product of
		(iv) Archean rocks occur in 2
6.	Describe the following:—	(B) Choose the correct alternatives :
	(a) Dentition in lamillibranchia. 4	(i) Granite is
	(b) Classification of Brachiopods. 4	(a) Basic rock.
	(c) Geological history of Gastropods. 4	(b) Ultrabasic rock.
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b		(c)	Acidic rock.			(C)	Answer in one or two sentence:-	
		(d)	None of the above.				(i) What is pleochroism?	
	(ii)	Und	er cross nicols, felspars are identified				(ii) What are ultra basic rocks?	
		by					(iii) What is gneissose structure?	ž.
		(a)	Pleochroism.				(iv) Which is the oldest rock in India?	4
		(b)	Twinkling.					
		(c)	Twinning.		2.		t are polarisation colours? Describe isation colours in anisotropic minerals.	the
		(d)	Alteration.				OR	
	(iii)	Prin	ciple rock type of Maharashtra		*	Desc	cribe the construction and working	of
		(a)	Sand stone.	-			ological microscope.	12
		(b)	Lime stone.	•	3.	Expl	ain the following :	
		(c)	Basalt.			(a)	Physical properties of olivine.	4
		(d)	None of the above.			(b)	Optical properties of amphibole.	4
•	(iv)	The	brachial skeleton is a character of	*		(c)	Mode of occurrence of mica.	4
	-	(a)	Brachiope da.				OR	
		(b)	Cephalopoda.			(p)	Physical properties of mica.	4
		(c)	Gastropoda.	* :		(q)	Optical properties of pyroxenes.	4
		(d)	Pelecypoda. 2	†	• •	(r)	Mode of occurrence of felspar.	4
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OR

	(p)	Suture in cephalopods.	4
	(q)	Morphology of Brachiopods.	4
	(r)	Geological history of lamillibranchia.	4
7.	Explain the following:—		
	(a)	. Economic importance of Archeans.	4
	(b)	Classification of Dharwar supergroup.	4
	(c)	Stratigraphy of Maharashtra.	4
		OR	
	.(p)	Vindhyan super group.	4
	(q)	Sakoli series.	4
	(r)	Classification of Cuddapah.	4

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