AU-87

B.Sc. Part—II Semester—III Examination 3S—GEOLOGY

Tim	e : Tl	iree l	[Maximum Marks : 80					
	Not	e 1-	(1) (2)	All questions are compulsory. Draw neat sketches wherever necessary.				
1.	(Å)	Γill	in the	e blanks :—	2			
		(i) (ii)	are	rilobita the middle, more rounded part is known as				
					`			
		(iii)		ity filling and replacement are the deposits.	mala of			
	(70)			gnetite, Hematite and Limonite are the ore forming mine	2			
	(B)		hoose the correct alternatives :—					
		(i)	Foll	owing is acidic igneous rock:	•			
			(a)	Basalt				
			(b)	Gabbro				
			(c)	Granite				
			(d)	None of the above.				
		(ii)	Peri	stome is made up of mouth and surrounding tissue up to	the lower margin of:			
			(a)	Apical disc				
			(b)	Corona				
			(c)	Plates				
			(d)	Cephalic shield.				

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		(m)	l he	: Magmatic deposits according to its stage of concentration is divided into) :	
			(a)	Epithermal and mesothermal		
			(b)	Hydrothermal and mesothermal		
			(c)	Contact and metasomatism		
			(d)	Harly magmatic and late magmatic.		
		(iv)	In e	chinoides genital plates are larger than :		
			(a)	Compound plates		
			(b)	Ocular Plates		
			(c)	Madreporie plates		
			(d)	Suranal plates.		
	(C)	Ans	wer	the following in ONE sentence:	4	
		(1)	Wh	at is Periproct?		
		(2)	Wh	at is microfossil?		
		(3)	Wh	at is placer deposits?		
		(4)	Wh	at is gossan?		
2.	Explain the following: —					
	(a) Tenor of Ore					
	(b) Metallic and non-metallic minerals					
	(c) Cavity filling deposits.					
				OR		
	(p)	Late	mag	gmatic deposits		
	(q)	Gan	gue l	Mineral		
	(r)	Ska	rn de	eposits.		
3.	Des	cribe	the (Oxidation and supergene sulphide enrichment processes.	12	
				OR		
	Wha	at are	resi	dual deposits? Describe the processes of residual concentration deposits	-	
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4.	Exp	plain the following:	12	
	(a)	Three component system		
	(b)	Mixed crystal		
	(c)	Eutectic K-Feldspar.		
	, ,	OR		
	(p)	Two component system of Plagioclase Feldspar		
	(q)	Concept of phase		
	(r)	One component system of Quartz.		
5.	Explain the following:—			
	(a)	Granite-Granodiorite-Diorite		
	(b)	Consangunity		
	(c)	Kindreds of igneous rock.		
		OR		
	(p)	Mineralogical characters of Alkaline rock		
	(q)	Petrographic Provinces and Periods		
	(r)	Gabrro-Anorthosite-Peridotite.		
6.	Des	cribe the classification, morphological characters, environment and geological distribution	n of	
	phy	lum foraminifera.	12	
		OR		
		cribe the classification, morphological characters, environment and geological distribution dum Echinodermata.	n of	
7.	Exp	plain the following:—	12	
	(a)	Pygidium		
	(b)	Morphology of Anthozoa		
	(c)	Applications of Palaeogeographic and Palaeoclimatic reconstruction.		
		OR		
	(p)	Geological history of Anthozoa		
	(q)	Applications of Palaeontologic data in Evolution.		
	(r)	Morphology of Trilobites.		
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