WPZ--9885

(Contd.)

## B.Sc. (Part—II) Semester—III Examination 3S: GEOLOGY (Old)

Tim	ie : T	hree l	Hour	s]		[Maximum Marks:	80	
	Not	e :	<b>-</b> (1)	All questions are compulsory and	carry e	equal marks.		
			(2)	Draw well labelled diagrams where	ever ne	ecessary.		
1.	(A)	Fill	in th	e blanks :				
		(i)	The	class Anthozoa belongs to phylum		·		
		(ii)	Λр	lane passing through Madreporic pla	ate is_	·		
		(iii)	The	main source of evaporation deposit	ts is	·		
		(iv)	Me	tal content of an ore is			2	
	(B)	Cho	ose t	the correct alternatives:				
		(i)	Gal	ena is the ore of:				
			(a)	Mercury	(b)	Copper		
			(c)	Iron	(d)	Lead		
		(ii)	Ope	en end of corallite is:				
			(a)	Epical end	(b)	Calyx		
			(c)	Collumella	(d)	None of the above		
(iii) Ore deposits that are formed at the same time as the enclosing r						e as the enclosing rock is:		
			(a)	Epigenetic	(b)	Syngenetic		
			(c)	Taugmatic	(d)	None of these		
		(iv)	Fol	lowing is a basic rock:				
			(a)	Nepheline syenite	(b)	Syenite		
			(c)	Gabbro	(d)	Granite	2	
	(C)	Ans	wer	the following in one sentence each:				
		(i)	Wh	at is meant by microfossil?				
		(ii)	Wh	nat is ore and ore mineral?				
		(iii)	Nai	me the copper ore mineral.				
		(iv)	Wh	nat is peristome?			4	
2.	. Describe magmatic-concentration deposits giving suitable example.							
				OR				
		at are	-	drothermal deposits? Describe the p	process	s of concentration of hydrothermal	ore	

1

3,	Exp.	ain the following:				
	(a)	Contact Metasomatic Deposits				
	(b)	Supergene Enrichment Deposits				
	(c)	Secimentary Deposits.				
		OR				
	(p)	Placer Deposits				
	(q)	Residual Concentration Deposits				
	(r)	Mechanical Concentration Deposits.	12			
4.	Explain the following:					
	(a)	One component system of Augite				
	(b)	Concept of phase, component and system				
	(c)	Mixed crystal.				
		OR				
	(p)	Three component system				
	(q)	One component system of Quartz				
	(r)	Two component system: Eutectics.	12			
5.	Explain the following:					
	(a)	Consanguinity				
	(b)	Variation Diagram				
	(c)	Syenite-Nepheline Syenite - Alkaline Rocks.				
		OR				
	(p)	Petrographic provinces and periods				
	(q)	Kindreds of Igneous Rock				
	(r)	Granite-Granodiorite-Diorite.	12			
6.	Exp	plain the following:				
	(a)	Micropaleontology				
	(b)	Distinguish between regular and irregular echinoids				
	(c)	Morphology of Foraminifera.				
		OR				
	(p)	Classification of Echinoidae				
	(q)	Test or shell in Foraminifera				
	(r)	Microfossils and its uses.	12			
7.	Des	scribe morphology, classification and geological distribution of Class-Anthozoa.				
		OR				
	Des	scribe morphology, classification and geological distribution of Class-Trilobita.	12			