AT - 272

First Semester B. Sc. (Part - I) Examination (Old)

GEOLOGY

P. Pages: 7					
Time : Ti	nree Hours]	(Max. Marks: 80			
Not	te: (1) All the question (2) Draw neat dis	ons are compulsory. agrams wherever necessary.			
1. (A)	Fill in the blanks:				
	(i) 9 plane, 13 axe present in —	s and center of symmetry ————————————————————————————————————			
	-	he earth surface directly s is known as——.			
	(iii) The kyanite r	nineral is shown———			

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	(iv)	Concordant igneous bodies that occupy position in the crests and throughs of the fold is known as —————. 2
(B)	Cho	ose the correct aternatives :
	(i)	The hardness of mineral Qurtz is:
		(a) Two
		(b) Five
		(c) Seven
		(d) Nine
	(ii)	Those substance which do not show the phenomenon of double refraction are called.
		(a) Isotropic
		(b) Anisotropic
		(c) Dispersion
		(d) Refractive index.
	(iii)	The normal class of hexagonal system:
		(a) No plane, no axes and no center

(b)	9 plane, 13 axes and center.
(c)	5 plane, 5 axes and center.
(d)	7 plane, 7 axes and center.
(iv) Poik	ilitic texture is characterized with:
(a)	Presence of small crystal in a fine ground mass.
(b)	Presence of large size crystal in a fine ground mass.
(c)	Presence of large size crystal only.
(d)	None of the above. 2
(C) Answer	the following in One or Two

- sentences:
 - (1) Define cleavage.
 - (2) What is fossil?

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		(3) What is windward?	
		(4) What is sills?	4
2.	Expl	ain the following:—	
	(A)	Nebular Hypothesis.	
	(B)	Composition of Core.	
	(C)	Rubidium-Strontium method.	
		OR	
	(P)	Planetesimal Hypothesis.	
	(Q)	Mantle.	
	(R)	Carbon 14 method.	12
3.		t is mineral? Describe the physical propert nineral.	ie:

OR

What is specific gravity? Describe the walker steel yard method of specific gravity.

- 4. Explain the following:
 - (A) Kinds of metamorphism.
 - (B) Lopoliths and loccolith.
 - (C) Pillow and ropy structures of igneous rock.

OR

- (P) Dykes.
- (Q) Formation of sedimentary rocks.
- (R) Equigranular texture of igneous rock. 12
- 5. Describe in detail the geological work of River.

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OR

Describe in detail the geological work of wind.

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- 6. Explain the following:-
 - (A) Cause of earthquakes.
 - (B) Product of volcanoes.
 - (C) Stages in orogenic cycle.

OR

- (P) Seismic belts of India.
- (Q) Seismograph.
- (R) Types of volcanoes.

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- 7. Explain the following :--
 - (A) Extra peninsular.
 - (B) Index and zone of fossil.
 - (C) Order of superposition.

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OR

- (P) Importance of fossil.
- (Q) Elements of correlation.
- (R) Geological time scale.

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