SE-sem-19- old-avil

E G

9/12/15

QP Code: 1177

OLD COURSE

(3) Hours

Total Marks: 100

		1	
N.B.	1. Question No. 1 is compulsory		
	2. Attempt any 4 questions out of remain	ing 6 questions.	
	3. Draw neat labelled diagrams wherever	necessary.	. 22
	4. All the parts of a question should be gr	ouped together.	9
	5. Figures to the right indicate marks		
		, 27	
1. (i)	Write the identifying properties and econo	omic use of the following minerals.	. 5
	(a) Corundum	(b) Gypsum	
	(c) Rock salt	(d) Calcite	
	(e) Muscovite		
(ii)	Define the following terms. (a) Water Table	(b) Strike	5 .
	(c) Dyke	(d) Erosion	
	(e) Seismic Waves		
(iii)	Answer the following-	OF CONTRACTOR OF THE CONTRACTO	5
	(a) Write two metallic minerals.		
	(b) Name the products of volcano		
	(c) Define engineering geology.		
	(d) What is a strike-slip fault?		
	(e) What is a confined aquifer?		
(iv)	Which geological agent is responsible for	the formation of the following landforms-	5
	(a) Oasis	(b) Mushroom rock	
	(c) Delta	(d) Hanging valley	
7	(e) Seif Dunes		

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2. (i) What is texture? Write the various textures of igner	eous rocks.	10
(ii) Give a brief account of the agents of metamorphis	sm.	5
(iii) How sedimentary rocks are formed? Describe any	two structure of sedimentary rocks.	5
2 /i) What is a tumpol? Discuss the foreurable and unf	we would go elegical structures for Turnel	
3. (i) What is a tunnel? Discuss the favourable and unfa	wouldble geological structures for Tuffile.	
construction.		10
(ii) Write a note on weathering of rocks.		5
(iii) What are the causes of earthquakes?	N. Carlotte and the second	5
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4. (i) Describe various types of Folds based on the pos	ition of axial plane	10
(ii) What is unconformity? Describe Angular unconf	ormity.	5 -
(iii) What is a dam? Describe various forces acting or	n dam.	5
5. (i) Describe the stratigraphy of Cuddapah System a	nd its economic importance.	10
(ii) Describe the seismic method of geophysical inve	estigation?	5
(iii) What is RQD? Explain its significance.		5
	C.	
6. (i) Differentiate between any 5 of the following- (a) Central eruption and fissure eruption		(4x5=20)
(b) Chemical Weathering and Physical weather	ring	
(c) V shaped valley and U shaped valley		
(d) Normal Fault and Reverse Fault		
(e) Seismogram and seismograph		
(f) Phacoliths and Laccoliths		
(i) Thatshard and Education		
7. Write short notes on any 5-		(4x5=20)
(a) Horst and Graben structure	(b) Principles of Stratigraphy	
(c) Zones of ground water	(d) Importance of geology in civil enginee	ering
(e) Causes and preventive measures of landslides	(f) Building stones	

QP-Con. 10504-15.