## $B.E.\ Mining\ Engineering\ Third\ Semester\ (Old\ Pattern)\\ MN301-Mining\ Geology-I$

P. Pages: 1 Time: Three Hou				GUG/W/18/1518 Max. Marks : 80	
	Notes	s: 1. 2. 3. 4.	All questions carry equal marks. Assume suitable data wherever necessary. Diagrams and Chemical equation should be given wherever necessary. Illustrate your answers wherever necessary with the help of neat sketches.		
1.		What is Waves.	an earthquake? Discuss the origin of earthquake and characteristics of Seismic	16	
			OR		
2.			re the natural agencies of geological works? Describe the geological work of wind spect to erosion, transportation and deposition along with their features.	16	
3.		What an operation	re folds? Describe various types of folds. Add a note on their importance in mining on.	16	
			OR		
4.	a)		tone bed in a mine site is found to be dipping at 1 in 6 along S 65° W and 1 in 8 15° E. Find the amount and direction of its true dip. Give procedure scale 1 unit :	8	
	b)		tone bed is dipping at 25° east in to a hill slope 20° west. Its outcrop is 300 m. etermine the true and vertical thickness. Write procedure scale 1 cm : 40 m.	8	
5.		What is	mineral? Describe various physical properties that help in their megascopic cation.	16	
			OR		
6.		Write sl	nort notes on :		
		a) Ph	ysical Properties of foldspar group.	8	
		b) Ph	ysical properties mica group.	8	
7.			re igneous rocks? Discuss the formation of igneous rocks. Give the Tabular cation of igneous rocks.	16	
			OR		
8.			term texture and structure of igneous rocks. Explain various structures of igneous ith neat diagrams.	16	
9.		How se	dimentary rocks are formed? Describe the classification of sedimentary rocks.	16	
			OR		
10.			metamorphism? Describe various kinds of metamorphism, giving examples of each category.	16	
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