## B.E. Mining Engineering Fourth Semester MN401 - Mining Geology Paper-II

P. Pages : Time : Thr			<b>UG/W/18/15</b> Max. Marks :	
Note	es: 1. 2. 3.	All questions carry equal marks. Assume suitable data wherever necessary. Illustrate your answers wherever necessary with the help of neat sket	ches.	
1.	Describ	e various principles of stratigraphy and Geological time scale. OR		16
2.	Describ	e the distribution, lithology and economic importance of Gondwana gr	oup of rocks.	16
3.	Give br	ief account of the Hydrothermal ore deposits with suitable diagrams. <b>OR</b>		16
4.	Write sł	hort notes on :		16
	a) Re	agmatic ore deposits.		10
5.		mineral prospecting ? Describe the electrical resistivity method of geo tion with suitable diagram.	ophysical	16
6.		OR ntiate between rock burst and subsidence and discuss the geological ch uence the rock burst and subsidence.	aracteristics	16
7.	Describe hydrological cycle with a suitable sketch add a note on ground water zones with a suitable diagram. OR			16
8.	<ul><li>a) Co</li><li>b) Ar</li><li>c) Inf</li></ul>	uish between the following : onfined and Unconfined aquifers. tesian well and Non artesian well fluent stream and effluent stream rosity and permeability		16
9.		Remote sensing technique ? Discuss the principle and advantage of retechniques.	mote	16
10.	Write sl	hort notes on the following.		16
10.	a) Geostationary and Sunsynchronous satellites.			10
	b) GI			
	<i>,</i>	gital data products.		
	d) An	alog data products.		

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