P.T.O.

ET-531(A)

B.Tech. Civil (Water Resources Engineering)

Term-End Examination December, 2011

ET-531(A): EARTH & ITS ENVIRONMENT

Time: 3 hours Maximum			Marks: 70	
 Note: Answer any five questions. Give neat, well-labelle sketches wherever necessary. (a) Describe, with the help of a sketch / (es), the different zones that envelop the Earth from its core to stratosphere. (b) Outline what do you understand by ecological instability? (a) "It is the appropriate combination of factors that has given birth to, and sustained the human and other forms of life on Earth". Discuss. (b) What is meant by a biomass? Discuss its importance in human life. (a) Through sketches explain: 3+ (i) joint and a fracture 			elled	
1.	(a)	different zones that envelop the Earth from	10	
	(b)	Outline what do you understand by	4	
2.	(a)	that has given birth to, and sustained the human and other forms of life on Earth".	7	
	(b)	•	7	
3.	(a)	-	3+3	
	(b)	Discuss the products of mechanical and chemical weathering.	8	

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4.	(a)	what is a glacier? Discuss its main features.	-		
	(b)	Explain how Earth reacts to the radiation of energy coming from Sun?	Ę		
5.	(a)		9		
		occurrence of igneous, extrusive, and			
		sedimentary rocks.			
	(b)	Explain tertiary and quarternary rocks.	5		
6.	Giving explanatory figures, explain: 2+7+5				
	(a)	faults;			
	(b)	classification of faults;			
	(c)	fault zone; shear zone, and fault plane.			
7.	(a)	Discuss in detail what is meant by geological time - scale.	6		
	(b)	Explain an ecosystem, giving examples.	8		
8.	Write short notes on <i>any four</i> of the following:				
	(a)	Environmental pollution 4x3.5=	:14		
	(b)	Cloud formation			
	(c)	Bio-degradable and non - degradable			
		pollutants.			
	(d)	Rock texture			
	(e)	Monsoon			
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