No. of Printed Pages : 2

ET-531(A)

## B.Tech. Civil (Water Resources Engineering)

## Term-End Examination June, 2010

## ET-531(A) : EARTH & ITS ENVIRONMENT

Time : 3 hours

01466

Maximum Marks : 70

7	Justify the statement : "there exist unique conditions of temperature and atmosphere on this earth".	(a)	1.
7	Briefly discuss the various zones surrounding our planet – from gaseous envelope to its core.	(b)	
10	What are earthquake waves? How do these help gather information about the interior of our earth?	(a)	2.
4	Distinguish between : (i) a joint and a fracture (ii) a foliation and lineation	(b)	
7	Differentiate between mechanical and chemical weathering.	(a)	3.
7	Give the description of products of mechanical and chemical weathering.	(b)	

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P.T.O.

	4.	(a)	Outline the surface features of glaciers.	5
		(b)	Sketch out, neatly, a 3-D representation of glaciated U-shaped valley, and hanging tributary valleys. Write their important features.	9
	5.	(a)	Explain tertiary and quaternary rocks.	7
		(b)	Briefly discuss : Igneous, Extrusive and Sedimentary rocks. Give sketches.	7
	6.	class	t do you understand by <i>faults</i> ? Give ification of faults. Explain <i>fault zone</i> , shear and fault plane. Give all the necessary ches.	14
	7.	(a)	What do you mean by population ecology; properties of population; regulation of population; and function of population.	8
		(b)	Explain environmental pollution. Distinguish between biodegradable and nonbiodegradable pollutants.	6
	8.	(a)	<ul> <li>Giving sketches, discuss in brief the following:</li> <li>(i) The <i>tundra</i> biome</li> <li>(ii) The <i>desert</i> biome</li> <li>(iii) The <i>grassland</i> biome</li> </ul>	9
		(b)	Explain what is meant by ecological instability.	5

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