BICE-003

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

0050F

June, 2016

BICE-003 : ENGINEERING GEOLOGY

Time : 3 hours

Maximum Marks: 70

Note: Attempt any seven questions. All questions carry equal marks.

1.		ribe the internal structure of the Earth as aled by the seismological evidence.	10
2.	diag	are folds classified ? Explain with a neat ram, the important types of folds on the s of the inclination of axial plane.	10
3.	What are the different causes of faulting of rocks ? Describe with neat sketches, the different parts of a fault.		
4.	Write short notes on the following :		
	(a)	Rift Valley	
	(b)	Pediplains	
	(c)	Glacial Deposition	÷
	(d)	Cone and Crater	
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5.	mine	t are the important physical properties of rals used for identification ? Write down any with examples.	10
6.	Explain the difference between the following :		
	(a)	Hardness and Tenacity	
	(b)	Density and Specific Gravity	
	(c)	Colour and Lustre	
7.	Give an overview of Mesozoic group of rocks with refrence to the Indian stratigraphy.		
8.	Discuss four properties of rocks which are tested in field for conforming the exact nature of rocks as suitable for an engineering project site.		
9.	Explain the following :		10
	(a)	Assessment of seismic risk	
	(b)	Intensity of earthquakes	
10.	the d	t are the geological conditions that influence lesign, stability and cost of a traffic tunnel in region ?	10

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