CVL121 ENGINEERING GEOLOGY

19.11.2017

MAJOR

Marks: 50

LHC:114

Answer All Questions. Wherever Necessary Answer with Sketches

Q.1 A Coal seam (formation) is met with at depth of 300ft at A, 200ft at B and 400ft at C b.	
Determine the attitude of the Coal seam and complete the outcrop. At what depth will the sear with at D?	y boring. m be met
	101
Q.2 What is Failure Envelope for rocks? What tests you need to perform to construct such an e	envelope? (6)
Q.3 Discuss the Effects of Pressure and Temperature on materials? Give examples of the	resulting
structures	(6)
Q:4 Magnitude and Intensity of an Earthquake defines which aspects? How do you estimate e shear force for a five storeyed building in Delhi region?	arthquake
Q.5 How are the different structural features influence the Tunnels, Slope and Foundations?	(6)
Q.6 What is Scan line survey? How is it done for an excavated rock slope?	(6)
Q.7 Mention two failure criteria you have studied. Explain with the help of any one how t strength of rock and rockmass ?	
Q.8 Faultis are due to the stress state at location? Illustrate how stress state influences the	(6)
faults?	(4)
Q.9 What is effective stress and explain	
사람들의 가장하다 하나 있는데 아이들 때문에 가장 하는데 되었다.	(2)
O 10 Explain Estimation of Brazilian Tensile strength in the lab?	(0)

Feully joints