ENGR 213 Strength of Materials — Quiz #5

Watch first 50 minutes (link below) and answer the following questions. Please upload your *.docx or *.pdf file to the Assignments section of D2L. This Quiz #5 is due on Wednesday, May 20th at 11:30 pm.

Chinese Rainbow Bridge

1)	Who invented suspension bridges and when?
2)	What were the 'arteries' of the Song empire?
3)	What material are Rainbow Bridges built from?
4)	What 2 types of bridges could the Rainbow Bridge be?
5)	What did Da Vinci say about an arch bridge?
6)	What is the potential problem of the missing L-shape block? Which type of stress of the 6 we have studied would this be failure due to?
7)	What are shear legs used for?
8)	What type of material was used for lashing?
9)	Why do stone beams give no warning when they are about to fail?
10)	What is Bashar worried about with the 'red' wooden members?
11)	What is used as a large point load to test the bridge?
12)	Does Bashar think the beams are in bending after bridge completion?