TIM 158 – Class Quiz and Test – June 5, 2014

1. This test will be graded and returned to you in one week.
2. You can get up to 13% weightage from this test.
3. You have 75 minutes to complete.
4. Open book and open notes.
5. Think creatively, be original, show clarity. This is not a test of how much you can write but of your understanding of the subject.
6. Answer any 10 questions and write the question.

Questions – Any 10

1. What is the difference between a firewall, intrusion prevention system and anti virus system?
2. Name 3 publicly traded IT network security companies and describe what is unique in each of them?
3. Give a real world example of an application of big data? Briefly discuss the example?
4. In minutes, how much annual downtime is acceptable if the guaranteed system availability is 99.99%?
5. If gmail, the Google email application, was available for 99.983% of the time in 2013, how many minutes was the service disrupted?
6. How does a CIO increase availability of the IT infrastructure? What do you think are the weakest link? What components would need to be redundant? Hint: electricity, internet connection, networking equipment, computing hardware, security software, applications, ...
7. World economy is around XX Trillion Dollars? What percent are US, Germany, India, China, Brazil, Russia and England – individually?
8. What percent of the S&P 500 is the IT industry and what percent of S&P 500 is the energy industry?
9. What is the ratio of market capitalization and revenue (Market Cap/Revenue = X) for Costco, Walmart, Apple, Amazon, Google and Netflix? Any surprise?
10. How many people have smartphones globally?
11. What is an SLA?
12. This is from the Facebook agreement “You give us permission to use your name, profile picture, content, and information in connection with commercial, sponsored, or related content (such as a brand you like) served or enhanced by us. This means, for example, that you permit a business or other entity to pay us to display your name and/or profile picture with your content or information, without any compensation to you. If you have selected a specific audience for your content or information, we will respect your choice when we use it.” – should consumers have the right to know how much money did they contribute to Facebook? Should Facebook launch a feature that allows a person to actually see how much ballpark revenue they generated? It could be just in the form of stars – 5 stars for high contributor to 1 star for low contributor. Comments?
13. Name one company that you would like to recommend a change in strategy based on IT/IS? What would you tell the CEO if you met her/him in an elevator and had 5 minutes?
14. What is net neutrality? Do you have an opinion or position?
15. Crypto currencies like Bitcoin are gaining popularity. What are crypto currencies?
16. Microsoft is a cash rich company looking to redefine itself in the world of cloud computing. What do you recommend they should do? Note – Microsoft stock has been relatively stagnant and in fact slightly in the last dozen years.