Quiz 1 January 25, 2018 10 points

1. What is the full name of the instructor of ITM 2000 - 50?

Sallie Taylor

1. When are the office hours of the instructor of ITM 2000 - 50?

Sundays starting at 4:00 lasting at least until 5:00 or until the questions stop.

1. Where are the office hours of the instructor of ITM 2000 - 50?

The classroom CK240

1. What is the most important asset of a company/organization?

Data

1. Why if the answer to the above question the most important asset of a company/organization?

The data drives the generation of information. Information can be recreated if the data exists. Information is just processed data, such as a report. For example, a credit card statement can always be recreated if the underlying data still exists.

1. What word is represented by the below Huffman encoding and how many bits were saved?

01001011011111111011011100010000100

When you write the word, BE SURE YOU OBSERVE THE DIFFERENCE BETWEEN CAPITAL AND lower CASE LETTERS.

g – 01

o – 00

b – 101 word:\_\_\_\_\_\_\_\_gobbledygook\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

l – 1111

e – 1110

d – 1101 savings:\_\_\_\_\_\_96 – 35 = 61\_\_\_\_(12 letters in gobbledygook \* 8 bits per letter)\_\_\_\_\_\_

y – 1100

k – 100

1. Which of the following (a – d) is false
   1. An algorithm is a series of steps that accomplishes a goal.
   2. A program is a series of computer instructions that follow an algorithm.
   3. Binary code is also known as the ‘first generation computer programming language’ and is directly understood by a computer processor.
   4. **A bit is equal to 8 bytes.**
2. What are the 4 non-routine skills?

Abstract thinking, systems thinking, collaboration, experimentation

1. Which of the following are true related to Moore’s Law?
   1. The ratio of price to performance of a computer has fallen dramatically.
   2. The cost of computer processing and storage is essentially zero.
   3. The emergence of technologies such as Facebook and YouTube are a result of Moore’s Law
   4. **All of the above are true**
2. Which of the following is false related to ITM 2000 – 50, Spring 2018 according to the syllabus?
   1. There are 2 written exams.
   2. There are 2 practicals that relate to MS Excel and MS Access.
   3. **Make-up quizzes are given during office hours when a student misses one.**
   4. The lowest 4 quizzes or homework are dropped at the end of the semester and the lowest 2 are dropped to calculate the midterm grade.