King Fahd University of Petroleum and Minerals
College of College of Computing and Mathematics
Information and Computer Science Department
Term 211– ICS 104 – Section#4
Quiz #1, Monday September 20, 2021

Name: …….

ID#:……..

You have exactly 15 minutes to solve the quiz.

Question 1: (4 points)

Select the correct answer

1. The arithmetic logic unit contains the circuitry to perform:

a. Manages resources
c. performs comparisons
b. Controls communication between I/O devices
d. Provides timing

2. Which of the following names are not proper variable names?

a. _452
c. itemCost$
b. print
d. CLASS

3. a variable whose value should not be changed after it has been assigned an initial value? (constants)

a. Reserved Keywords
c. Function variable
b. User defined datatype
d. None of the above

4. Which of the following lines of code will generate a syntax error?

a. print("ICS104")
ICS104 = 2
c. x = ics104
print(x)
b. print("ICS104 = 3")
ics104 = 4
d. print()
len("ICS104")

Question 2: (6 points)

Compute the value of each of the following expressions:

Expression	Value
`print(len("ICS"+"104"))`	6
`957 % 100 // 10`	5
`12 // 10 / 10 - 4`	-3.9
`5 // 2 ** 2 / 2`	0.5
`3 - 2 ** 2 % 3`	2
`round( abs(-15) / 2 )`	8

Question 3: (5 points)

Write the corresponding Python expression

Mathematical Expression	EXPRESSION
$\frac{x^2 + y^5 + 3}{\sqrt{2x - 3y}}$	`(x**2 + y**5 + 3) / sqrt(2*x - 3*y)`
$\frac{3}{\lvert 5 + 2a \rvert} - \frac{1}{2}b$	`3 / abs(5 + 2 * a) - 1/2 * b`
$\frac{(x + y)}{2z} + 15^{10}$	`((x + y) / 2 * z) + 15**10`