ICS 104 Quiz2 211 sec 9

**Part 1: 4 pts**

1) Consider the following Python code:

if x < 50:

print("CCSE")

elif x > 40:

print("ICS")

else:

print("COE")

Which values of x will make the code shown above print “**COE**”

A. x <= 40

B. x <= 40 or x>=50

C. x < 40

D. No value of x will make the code print “COE”

2) Consider the following code fragment:

m=7

while m > 2:

for j in range(m):

print(j)

m=m-4

How many values are printed when this code is executed?

1. 8
2. 9
3. 10
4. 11

3) Consider the following Python code fragment

for x in range(10,m,-3):

print(x, end=" ")

What are all possible values of variable **m** so that the output is: **10 7 4**

A. m=3 or 2 or 1

B. m=2 or 1 or 0

C. m=3 or 2 only

D. m=2 or 1 only

4) What will be the output after executing the following Python code fragment?

count=0

for i in range(2,10,2):

for j in range(12,2,-2):

count=count+1

print(count)

A. 15

B. 20

C. 30

D. 24

Continue on the back

**Part 2: 6 pts**

1)What is the output of the following python code fragment? (1.5 pts)

|  |  |
| --- | --- |
| Input for m | output |
| 7 | EE |
| 16 | ICS |
| 13 | No output |

m=int(input("Enter m: "))

if m > 10:

if m > 15:

print("ICS")

elif m > 20:

print ("COE")

else:

print("EE")

If nothing will be shown write “No output”

2) What is the output of the following python code fragment? (1 pts)

|  |
| --- |
| 13 3 |

i=7

s=1

while s < 12:

s=s+i

i=i-2

print(s,i)

3) What is the output of the following python code fragment? (1 pts)

|  |
| --- |
| UMKP |

st="KFUPM"

sub=st[2::2]+st[::3]

print(sub)

4**)**  What is the output of the following python code fragment? (1 pts)

|  |
| --- |
| CCM  10 |

m=8

if m > 6:

m=10

if not m%4:

print("ISE")

else:

print("CCM")

print(m)

5) What is the output of the following python code fragment? (1.5 pts)

k=1

st="A5#"

|  |
| --- |
| **0**  **5**  **7** |

for ch in st:

if ch.isdigit():

k=k+int(ch)

elif ch.isupper():

k=k-1

else:

k=k+2

print(k)