**Regular Expressions**

**TOTAL POINTS 10**

1.Question 1

Which of the following regular expressions would extract 'uct.ac.za' from this string using re.findall?

**From stephen.marquard@uct.ac.za Sat Jan 5 09:14:16 2008**



F.+:



@\S+



..@\S+..



@(\S+)

2.Question 2

Which of the following is the way we match the "start of a line" in a regular expression?

1 point



^



str.startswith()



\linestart



String.startsWith()



variable[0:1]

3.Question 3

What would the following mean in a regular expression? [a-z0-9]

1 point



Match anything but a lowercase letter or digit



Match a lowercase letter or a digit



Match any text that is surrounded by square braces



Match an entire line as long as it is lowercase letters or digits



Match any number of lowercase letters followed by any number of digits

4.Question 4

What is the type of the return value of the re.findall() method?

1 point



A list of strings



A string



An integer



A single character



A boolean

5.Question 5

What is the "wild card" character in a regular expression (i.e., the character that matches any character)?

1 point



+



\*



.



?



$



^

6.Question 6

What is the difference between the "+" and "\*" character in regular expressions?

1 point



The "+" matches at least one character and the "\*" matches zero or more characters



The "+" matches upper case characters and the "\*" matches lowercase characters



The "+" matches the beginning of a line and the "\*" matches the end of a line



The "+" matches the actual plus character and the "\*" matches any character



The "+" indicates "start of extraction" and the "\*" indicates the "end of extraction"

7.Question 7

What does the "[0-9]+" match in a regular expression?

1 point



Several digits followed by a plus sign



Zero or more digits



One or more digits



Any number of digits at the beginning of a line



Any mathematical expression

8.Question 8

What does the following Python sequence print out?

**x = 'From: Using the : character'**

**y = re.findall('^F.+:', x)**

**print(y)**



['From:']



['From: Using the :']



:



From:



^F.+:

9.Question 9

What character do you add to the "+" or "\*" to indicate that the match is to be done in a non-greedy manner?

1 point



\*\*



?



\g



^



$



++

10.Question 10

Given the following line of text:

**From stephen.marquard@uct.ac.za Sat Jan 5 09:14:16 2008**

1 point



d@uct.ac.za



From



stephen.marquard@uct.ac.za



\@\



marquard@uct