School of Engineering Chemical Engineering Department Computer Applications in Chemical Engineering.

CHE-0965201-Tue 2^{ed} 2018/2019 Quiz 1 - F1 Time Limit: 10 Minutes	Quiz Mark [10]:		
1. (8 points) Fill the circle for the co	orrect answers of the fol	lowing questions?	
1. Which of the following representation $a+b=\sin(5^*\pi)/2$; $5+3*12-2$ $b=\cos(30)+c$ $z=3+2*5$	sent an wrong MATLAF	3 command?	
2. The command that is used to clear quit who clc	o clear the command wi	ndow in MATLAB is:	
3. Which of the following symbos: ; ; ;	ol used to connect the n	ext line to the current	line
4. The value of variable (z) after $>> i = 5;$ $>> z = 3 + 5 * i$ \bigcirc 3+5i \bigcirc 28 \bigcirc 5i \bigcirc Error message.		ommand is:	
5. The command that is used to with 4 decimals is: format short e format long format long e format rat	to show the results of c	alculation in scientific	format

	6. The value of variable (y) after apply the following command is: $>>$ format bank	
	$\Rightarrow y = 3 + 5i$	
	○ 3+5i○ 3	
	○ 5i	
	○ Error message.	
	7. The value of variable (z) after apply the following command is:	
	>> format short	
	>> y = 13.567863567;	
	$>> z = round(y, 6)$ \bigcirc 13	
	■ 13.5679	
	13.567864	
	Error message.	
	8. One of the following is valid variable name in MATLAB:	
	\bigcirc e\$5	
	○ 5e	
	$\bigcirc e_5$	
	○ 1e5.	
2.	1 point) Write the MATLAB code that used to calculate the following Mathematical expression [Just write the Command]	
	$e^{(-3.1)^2} + 3.47ln(14) + \sqrt[3]{287} + tan(60^\circ)$	
	$exp(-31^2) + 3.47 * log(14) + (287)(13) + tand(60)$	
	t 1 (0x Pi/10	(,,
	tan (.60 x Pi/18	0)
3.	1 point) Consider the MATLAB is used to calculate the following expression	
	$\frac{25^2}{3} + \frac{219^{4/5}}{5} + 10(10)^{-2}$	
	$\frac{1}{3} + \frac{1}{5} + 10(10)^{-2}$	
	Show the order of precedence and write the final answer	
	1) 25°2= 625 /@ (219) (415) =74.53 (310° (-2) = 0.01	
	9 625 + 74.93 + 10x 0.01	
	3 + 77.35 + 10% 0:01	
	208·33 + 14.91 + 0·1	
	(\neq)	
	000 011 101 - 000 24	
	223.24 +0.1 = 223.34	

School of Engineering Chemical Engineering Department

Computer Applications in Chemical Engineering.

$ m CHE ext{-}0965201 ext{-}Tue} \ 2018/2019 \ m Quiz \ 1 - F2$	Student Name: Student ID: Quiz Mark [10]:	
Time Limit: 10 Minutes	Date:	12/2/2019
1. (8 points) Fill the circle for the corre	ect answers of the fol	lowing questions?
1. The value of variable (z) after a $>>$ format long $>> y = 13.567863567;$ $>> z = round(y, 6)$ \bigcirc 13 \bigcirc 13.5679 \bigcirc 13.567864 \bigcirc Error message.	apply the following co	ommand is:
2. Which of the following symbol to : ; ; ;	ised to connect the n	ext line to the current line
3. The command that is used to cl clear quit who clc	lear the command wi	ndow in MATLAB is:
4. The command that is used to swith 15 decimals is: format short e format long format long e format rat	show the results of c	alculation in scientific format
5. The value of variable (z) after a $>> e = 5$; $>> z = 5*1e5$ 5e5 25 5000 Error message	apply the following co	ommand is:

6. Which of the following represent an wrong MATLAB command?

7. The value of variable (y) after apply the following command is:

 \bigcirc a=sin(5* π)/2; \bigcirc 5+3*12-2

 $\bigcirc z=3+2*5$

>> format bank >> y = 7 + 2i

 $b+c=\cos d(30)+6$

\bigcirc 7+2i	
7	
○ 2i	
○ Error message.	
8. One of the following is valid variable name in MATLAB:	
\bigcirc i\$5	
○ 5i	
<i>i</i> _5	
○ 1i.	
2. (1 point) Write the MATLAB code that used to calculate the following Mathematical expression [Just write the Command]	
$e^{(-2.5)^{1.5}} + 3.47log(14) + \sqrt[4]{187} + sin(60^{\circ})$	
exp (-25° 15) + 347 x log 10(14) + (187) (1/4) + sind (60)	١
Sin (60 * P1/18	00
SW (80 1710))
3. (1 point) Consider the MATLAB is used to calculate the following expression	
$\frac{35^2}{5} + \frac{115^{3/5}}{6} + 15(8)^{-2}$	
5 6	
Show the order of precedence and write the final answer	
① $35^{1}2 = 1125 / ② 115^{3}(315) = 17.2353/ ③ 8-2 = 0.0156$	
1225 + 17.2353 + 15 x o. 0156	
1.23 + 15x0.0156	
245+ 2.8725+ 0.234 =	
247.8725+0.234 = 248.1065	
R	