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

CHE-0965201-Sun	Student Name:	Answer Sheet
$2^{ed}$ 2018/2019 Quiz 1 - F1	Quiz Mark [10]:	
Time Limit: 10 Minutes		10/2/2019
1. (8 points) Fill the circle for the corre	ct answers of the fol	lowing questions?
1. Which of the following represent	an wrong MATLAF	3 command?
$\bigcirc$ a=sin(5* $\pi$ )/2;		
○ 5+3*12-2		
$\bigcirc z=3+2*5$		
2. The command that is used to cle	ear the command wi	ndow in MATLAB is:
○ clear		
O quit		
O who		
o clc		
Which of the following symbol u	sed to separate the	elements of an array
0:		
,		
$\bigcirc$ ;		
O		
4. The value of variable $(z)$ after a	oply the following co	ommand is:
>> i = 5;		
>> z = 3 + 5 * 1i		
<ul><li>3+5i</li><li>28</li></ul>		
○ 28 ○ 5:		
○ 5i ○ Error massaga		
○ Error message.	1	1 1
5. The command that is used to s with 15 decimals is:	now the results of c	ealculation in scientific format
of format short e		
of format long		
format long e		
of format rat		

6. The value of variable $(y)$ after apply the following command is: $>>$ format bank	
>> y = 3 + 5i	
○ 3+5i	
○ 5i	
Error message.	
7. The value of variable $(z)$ after apply the following command is:	
>> format short >> $y = 13.567863567$ ;	
>> y = 13.307803307, $ >> z = round(y, 6)$	
$\bigcirc$ 13	
<b>13.5679</b>	
○ 13.567864	
○ Error message.	
8. One of the following is valid variable name in MATLAB:	
$\bigcirc$ e\$5	
○ 5e	
$igorphi$ $e_5$	
).5 O 1e5.	
2. (** point) Write the MATLAB code that used to calculate the following Mathematical expression [Just write the Command]	
$e^{(-2.1)^3} + 3.47log(14) + \sqrt[4]{287} + cos(60^\circ)$	
exp(-2.1^3)+3.47 (14)+(284)^(1/4)+(05d(60))	
Cos (60 * 0 / 180)	
(.5	
3. (** point) Consider the MATLAB is used to calculate the following expression	
$27^2  319^{4/5}$	
$\frac{27^2}{4} + \frac{319^{4/5}}{5} + 60(14)^{-3}$	
Show the order of precedence and write the final answer	4
Show the order of precedence and write the final answer $27^2 = 729$ , $319^2(u15) = 100.7007$ , $14^2(-3) = 3.6443 \times 10^{-1}$	
(3)	
$\circ$	
4729 + 100,7007 + 60 * 3,6443 x10	
4 5	
9 + 29 + 100 + 60 * 3.6 + 400 * 3.6 + 400 * 3.6 * 400 * 40	
(F)	
202.39 +0.029 = 202.412	

## School of Engineering Chemical Engineering Department

Computer Applications in Chemical Engineering.

CHE-0965201-Sun 2 <sup>ed</sup> 2018/2019 Quiz 1 - F2		
Time Limit: 10 Minutes	Date:	10/2/2019
1. (8 points) Fill the circle for the co	rrect answers of the fol	lowing questions?
1. The value of variable $(y)$ after $>>$ format bank $>> y = 5 + 7i$	apply the following co	ommand is:
2. The value of variable $(z)$ after $>>$ format long $>> y = 12.567863567;$ $>> z = round(y,6)$ 12   12.5679   12.567864   Error message.	apply the following co	ommand is:
3. One of the following is valid v $ \bigcirc i\$5 $ $ \bigcirc 5i $ $ \ifmmode i5 \ifmmode 5 \ifmmode 5 \ifmmode 5 \ifmmode 6 \ifmmode 6 \ifmmode 5 \ifmmode 6 \ifmmode $	variable name in MATI	JAB:
4. Which of the following representation $(3 + 2)/2$ ; $($	ent an wrong MATLAI	B command?
5. The command that is used to whos quit clear clc	remover all variables	work space in MATLAB is:

Which of the following symbol used to separate the rows of an array	
$\bigcirc$ ,	
O	
7. The value of variable $(z)$ after apply the following command is:	
>> j=1;	
>> z = 3 + 5 * j	
○ 3+i	
○ 3 ○ Emmon masses ma	
Error message.	
8. The command that is used to show the results of calculation in scientific format with 15 decimals is:	
format short e	
of format long	
format long e	
format rat	
2. (** point) Consider the MATLAB is used to calculate the following expression	
$15^3  219^{1/3}$	
$\frac{15^3}{3} + \frac{219^{1/3}}{6} + 10(12)^{-2}$	
Show the order of precedence and write the final answer	
(1) 153 = 3375 , Q 2191(113) = 6.0277, (3) 12-2=000	y06
9 3375 + 6.0277 + 10x 0.0669	
7.1125 + 1.0046, + 0.069 =	
7,1125 + 1,0046 + 0,069 = 1126 · 0736	
3. (** point) Write the MATLAB code that used to calculate the following Mathematical expression [Just write the Command]	
$e^{(-2.5)^2} + 1.57log_{10}(10) + \sqrt[3]{100} + tan(3\pi)$	
exp(-2.5/2) + 1.57 log 10 (10) + 100 (13) + tan (3x Pi)	