Course Title: Gen.Chem Date:23/10/2017 No. of Questions: (2) Time: 1 hour		First Exam. 2017-2018	Student No.: Student Name: College Name: Dep. / Specialist:				
Using Calculator (ye	es)	Total Grade:15	Using Dictionary (No)				
Question One: 6.5 Marl							
1. How many s	ignificant figur	es are there in the me	easurement 3.4080g?				
a)6	b)5						
c)4	d)3	e)2					
2. How many significant figures should you report as the sum of 8.3801+2.57?							
a)3	b)5						
c)7	d)6	e)4					
3. The SI unit							
a)Meter	b)Centimeter						
c)Gram	, ,	e)none of the ab					
4. A sample of a liquid has a density of 2.1g/mL. What volume of the liquid has a							
mass of 4.242g							
a)8.9 mL		\0.50 ¥					
		e)0.50 mL					
		e)is 42.7% sodium. E	How many grams of salt contain				
76.0g of sodium							
a)32.5g	b)178g	1.70 104					
c) $3.25 \times 10^3$ g d) $1.78$ g e) $1.78 \times 10^4$ g							
•	-		e there in an atom of <sub>17</sub> Cl-39?				
-	7 neutrons, and						
-	8 neutrons, and						
_	c) 22prorons, 17 neutrons, and 17electrons						
· •	9 neutrons, and						
	2 neutrons, and						
-		t differ in their					
,		)atomic masses	a) navembars of alsotroms				
<i>'</i>		mumbers of protons <b>example of an alkali m</b>	e)numbers of electrons				
a)Li	b)Cs	i example of all alkali ili	etai:				
c)At	d)K	e)Rb					
,	,	,	d formed by calcium ions and				
phosphate ion		the fome compound	d formed by calcium fons and				
	b) $Ca_2(PO_4)$	)2					
c)Ca(PO <sub>4</sub> ) <sub>3</sub>		$e)Ca_3(PO_4)_2$					
, , , , -	10. The correct stock system name for $CoCl_3$ is:						
a)cobaltous chloride b)cobalt trichloride							
c)cobalt (III)ch		)cobalt (III)trichloride	•				
e)cobalt chloride							

**University of Palestine** 

Instructor Name: Dr. Asmaa

**Course No:** 

11.	The correct Stock system	name	for Cu	ISO <sub>4</sub> .5H	2O is:
a)cu	uprous sulfate pentahydrate				

b)copper(II) sulfate pentahydrate

c)copper(II) sulfate hydrate

d)copper(I) sulfate pentahydrate

e)copper sulfate pentahydrate

## 12. Common examples of diatomic molecules from Groupm7A elements include:

a)fluorine, hydrogen, and nitrogen

b)nitrogen, chlorine, and bromine

c)chlorine, bromine, and iodine

d)iodine, lead, and oxygen

e)none of the above

## 13. What binary compound would be formed from barium ions and fluoride ion?

a)Ba<sub>2</sub>F<sub>3</sub>

b)BaF<sub>3</sub>

C)BaF

d)Ba<sub>2</sub>F

e)BaF<sub>2</sub>

Question Two: 8.5 Mark

How many phosphorous atoms are there in 2.57g of <sup>31</sup>P? (1 Mark)

How many grams of acetylsalicylic acid (aspirin,  $C_9H_8O_4$ ) are present in  $1.32\times10^{-2}$  mol of  $C_9H_8O_4$ ?( $^{12}C,^{1}H,^{16}O$ )(1 Mark)

Calculate the percent composition by mass of nitrogen in ammonium nitrate ( $NH_4NO_3$ )?( $^{14}N_1^{16}O$ ) (1 Mark)

