

Course No: DMED 1207  
Course Title: General Chemistry  
Date: 24 / 10 /2017  
No. of Questions: (5)  
Time: 1 hours  
Using Calculator (Yes)

University of  
Palestine  
  
First Exam  
2017/2018

Instructor Name:  
Student No.: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
College Name: \_\_\_\_\_  
Dep. / Specialist: \_\_\_\_\_  
Using Dictionary (No)  
Total Grade: 15

**Question I. Define the following terms " 2 Marks"**

1. Homogeneous mixture:

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2. Anion:

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3. Molecular formula:

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4. Compound:

**Question II. True Or False ( 3 Marks )**

1. Elements of the same group are similar in electronic configuration ( ).
2. The electron tends to go to high energy shell ( ).
3. The elements of (2A) group tend to give away one electron ( ).
4. Nucleus of an atom contains electrons and protons ( ).
5. Many compounds have same molecular and empirical formula. ( ).
6. Mole is weight of Avogadro's No. of atoms ( ).

**Question III. Choose the correct answer ( 5 Marks )**

1. The Electron configuration of  $[\text{Cu}^{29}]^{+2}$  is

- a.  $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^9$       b.  $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^7$   
c.  $1s^2 2s^2 2p^6 3s^2 3p^6 4s^1 3d^{10}$       d.  $1s^2 2s^2 2p^6 3s^2 3p^6 4s^3 3d^8$

2. How many electrons are in the following isotope  $\text{X}_{44}^{56}$

- a . 100      b .44 c .65 d .12





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***End of Questions  
Good Luck***