

Course No: PHLT 1301  
Course Title: General Biology  
Date: 28 /11/2016  
No. of Questions: (3)  
Time: 1 hours  
Using Calculator (No)

University of Palestine



Second Midterm Exam  
2016/2017  
Total Grade: 15

Instructor Name: Ismail Mezher  
Student No.: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
College Name: College of Pharmacy  
Dep. / Specialist: Health & Nutrition  
Using Dictionary (No)

### Question One: ( 10 points)

Circle the most correct answer

1-The idea that all living things are composed of cells and that all cells come from other cells defines:

- A) Central Dogma.
- B) Organelle Theory.
- C) Cell Theory.

2- Lysosomes

- A) help to digest worn-out or damaged organelles.
- B) recycle materials within the cell.
- C) fuse with food vacuoles to expose nutrients to lysosomal enzymes.
- D) destroy harmful bacteria engulfed by white blood cells.
- E) All of the choices are correct.

3-Plasma membranes are selectively permeable. This means that

- A) anything can pass into or out of a cell.
- B) the plasma membrane allows some substances to enter or leave a cell more easily than others.
- C) glucose cannot enter the cell.
- D) plasma membranes must be very thick.

4-What is the role of the Golgi Apparatus?

- A) DNA / gene replication.
- B) Polypeptide synthesis.
- C) protein packaging and shipping.

5- \_\_\_\_\_ is the stage where the \_\_\_\_\_ begin to pull the chromosomes apart to opposite poles.

- A) Anaphase, spindle fibers
- B) Prophase, non-spindle fibers
- C) Telophase, spindle fibers
- D) Interphase, endoplasmic reticulum
- E) Metaphase, endoplasmic reticulum

6-DNA differs from RNA because:

- A) DNA has a sugar-phosphate backbone and RNA has a nucleotide phosphate .
- B) DNA has ribose sugar and RNA has deoxyribose sugar.
- C) DNA has guanine and RNA has adenine.
- D) DNA has thymine and RNA has uracil.

7-If a cell has 12 chromosomes in Anaphase 1, how many did it have in prophase 1?

- A) 6
- B) 12
- C) 24
- D) None of the above.

8-Crossing over happens in Prophase 2

- A) True
- B) False

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**9-Which of the following is the main goal of meiosis?**

- A)To make identical cells
- B)To make haploid cells
- C)To create as many cells as possible
- D)To make sure that chromosomes are copied equally.

**10-Centrioles is a term specific to:**

- A)Plants.
- B)Animals.
- C)Bacteria.
- D)None of the above.

**Question Two:( 10 points)**

The cell cycle is fundamental to the reproduction of Eukaryotic cell :

- A- Describe the phases of the cell cycle.



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