

Course No:
Course Title: General biology
Date: 22/10/2017
No. of Questions: (five)
Time: 1 hours
Using Calculator (No)

University of Palestine

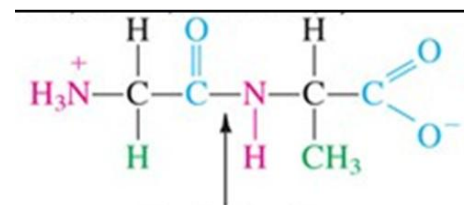
First Mid.Exam
2017/2018
Total Grade:30

Instructor Name: Mrs. Sana al tawil
Student No.: _____
Student Name: _____
College Name: College engineers
Dep. / Specialist: Biomedical Eng.
Using Dictionary (No)

Question One Choose the best
correct answer a, b, c &d:

Mark(12)

- 1- -----Are the building block of proteins.
 - a. Nucleic acid
 - b. Amino acid
 - c. Glucose
 - d. Lipoprotein
- 2- bonds found in the figure is:
 - a. Peptide bond
 - b. Hydrogen bond
 - c. Covalent bond
 - d. None of the above
- 3- Proteins combined with lipid are:
 - a. Glycoprotein
 - b. Lipoprotein
 - c. Nucleoprotein
 - d. Chromoprotein
- 4- Hemoglobin is important example of:
 - a. Phosphoprotein
 - b. Metaloprotein
 - c. Chromoprotein
 - d. A&b
- 5- Denaturation protein may be caused by:
 - a. Temperature
 - b. Concentration of salts
 - c. None of the above
 - d. All of the above
- 6- Organic molecules are all of the following except:
 - a. HCO_2
 - b. CO_2
 - c. $\text{C}_6\text{H}_{12}\text{O}_6$
 - d. None of the above
- 7- Structural carbohydrate found in insects
 - a. Cellulose
 - b. Chitin
 - c. Glycogen
 - d. Starch
- 8- Saturated fats
 - a. Lack double bonds They are solid at room temperature.
 - b. A double bond and these prevent them from solidifying at room temperature.



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- c. One or more double bonds between carbon and carbon.
 - d. None of the above
- 9- Which of the following has one parts of modern cell theory
- a. The cell is the basic unit of life.
 - b. All living things are made of cells.
 - c. Cells come from pre- existing cells
 - d. Cells carry genetic material passed to daughter cells during cellular division.
- 10- Fimbria found bacteria is important for:
- a. Cause disease
 - b. Conjugation to transfer
 - c. Motile
 - d. None of the above
- 11- Are not resistant to heating at high temperatures:
- A. Cyst
 - B. Endospores
 - C. Anthrax
 - D. Tetanus
- 12- Prokaryotes like bacteria can be divided by:
- a. Binary fission
 - b. Mitosis
 - c. Meiosis
 - d. None of the above

Question Two: short answer

Mark(4)

A). levels of proteins structure:

- 1- _____
- 2- _____
- 3- _____
- 4- _____

B). Four major categories are found in all living things:

- 1- _____
- 2- _____
- 3- _____
- 4- _____

Question Three: Explain

Mark(6)

- I. How you can made starch from glucose molecules (making polymer).

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- II. Water has important compound in the earth, contain many bonds explain important of these bonds.

Question five: Match between A and B group

mark(5)

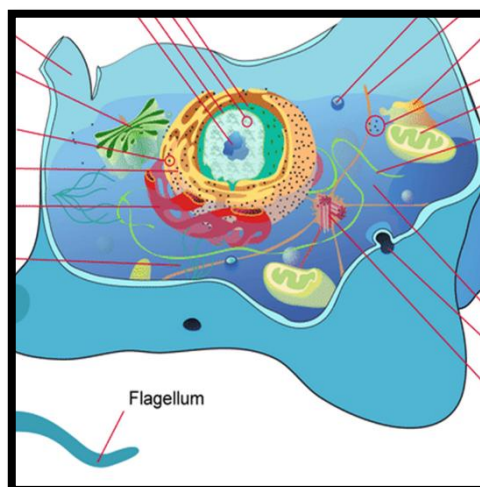
Write the basic structure of the following:

- 1- Glycogen -----
- 2- Cell wall-----
- 3- Capsule-----
- 4- Hemoglobin-----
- 5- Flagella -----

Questionfive:

mark(3)

- Q) - Write the parts and organelles in the figure:
(Mitochondria, Golgi bodies, nucleus, vacuoles, nuclear envelop, plasma membrane, chromatin reticulum



End of Questions
Good Luck

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