



Question One:

(10 marks)

Chose the appropriate answer from the listed choice of each statement:

1. Nuclear envelope composed of:
 - a- One layer
 - b- Two layers
 - c- Three layers
 - d- Four layers

2. The origin of peroxysomes is:
 - a- Ribosomes
 - b- Mitochondria
 - c- Centrioles
 - d- Smooth endoplasmic reticulum

3.play important role in ribosome's syntheses
 - a- Nucleolus
 - b- Nucleus
 - c- Lysosomes
 - d- Filaments

4. Phagocytotic vesicles are used for:
 - a- Cellular drinking.
 - b- Cellular respiration
 - c- Cellular locomotion
 - d- Cellular eating

5. Krebs cycle occurs in the:
 - a- Cytosol
 - b- Mitochondrial matrix
 - c- Cytoplasm
 - d- The inner membrane of the mitochondria

6. Bacteria reproduce by a type of cell division is called:
 - a- Budding
 - b- Binary fission
 - c- Sporulation
 - d- Regeneration

7. The movement of substances against cell contraction is called:
 - a- Active transport
 - b- Passive transport
 - c- Diffusion
 - d- Osmosis



8. Number of Golgi apparatus in the cell is:
a- Two
b- One
c- Three
d- Thousands
9. In the human body, the number of chromosomes:
a- 48
b- 44
c- 46
d- 47
10. The monomer of proteins is:
a- Glucose
b- Fatty acid
c- Nucleotide
d- Amino acid

Question Two:

(8 marks)

A) Describe the function of each of cell organelle:

Mitochondria: _____

Nuclear pores: _____

B) Write the scientific term for each of the following sentences:

- 1- _____ the study of living things.
- 2- _____ (S.E.R.).
- 3- _____ the material of which all living bodies are built-up.
- 4- _____ cells relatively large and has true nucleus.
- 5- _____ play important role in elongation of cell life.

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Time: 1 hour
Using Calculator (No)

University of Palestine



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Instructor Name: Yusra Al Dadah
Student No.: _____
Student Name: _____
College Name: Health Professions
Dep. / Specialist: Nursing
Using Dictionary (No)

Question Three : (6 marks)

A) Define:

The cell:

Microbiology: _____

Cellular respiration: _____

B) Where can ribosomes be found in the cell?? What is the function of ribosomes??

Question Four: (10 marks)

Put a mark (√) or (×) in front of the following sentences:

- 1- () Fungi are examples for prokaryotic cells.
- 2- () The tissues are grouped to form the cell.
- 3- () Binary fission is kind of sexual reproduction.
- 4- () Amino acid is the monomer of the nucleic acids.
- 5- () Filaments are responsible for muscular contraction.
- 6- () Embryology deals with the function of body organs.
- 7- () Anabolism is the building up of new living materials.
- 8- () Carbohydrates are 'commonly known as the tissue –builders.
- 9- () Mobile ribosomes are free in cytoplasm.
- 10-() Chloroplasts are found only in the animal cells.

Question Five: (6 marks)



Match the description below with the organelle or cell component on the right:

1.	Give the cell shape		lysosomes
2.	Contain digestive enzymes		Golgi apparatus
3.	Play important role in cell division by making spindle fibres.		Chromatin
4.	Maintain the shape of nucleus.		Centrioles
5.	Store the genetic information of the individual.		Nuclear envelope
6.	Play important role in protein modification		microtubules
			Ribosomes

End of Questions
Good Luck