

Last name :

First name :

Group :

Duration : 1 hour

Choose the correct answer :**Q 1.** The term cell was first used by **(1 point)** :**(a) Robert Hooke**

(b) Harvey

(e) None of the answers listed

(c) Hopkins

(d) Fleming

Q 2. What Robert Hooke had discovered in the thin section of cork as a cell was really a **(1 point)** :

(a) Cellulose

(b) Nuclei

(e) None of the answers listed

(c) Protoplasm

(d) Cell walls**Q 3.** The head of a phospholipid is **(1 point)**:

(a) Made of carbohydrates

(b) Made of proteins

(e) None of the answers listed

(c) Made of nucleic acids

(d) Hydrophobic

Q 4. What is the function of proteins in cell membranes ? **(1 point)** :**(a) Cellular transport**

(b) Photosynthesis

(e) None of the answers listed

(c) Cellular respiration

(d) None of the above

Q 5. This process stores energy for the cell in the form of sugar **(1 point)**:

(a) Phospholipid bilayer

(b) Diffusion

(e) None of the answers listed

(c) Photosynthesis

(d) Cellular respiration

Q 6. What type of transport involves the movement of water molecules through a membrane? **(1 point)**:

(a) diffusion

(b) osmosis

(e) None of the answers listed

(c) endocytosis

(d) exocytosis

Q 7. What term is used to describe the movement of molecules from an area of high concentration to an area of low concentration? **(1 point)**:

(a) endocytosis

(b) exocytosis

(e) None of the answers listed

(c) diffusion

(d) engulfing

Q 8. Which of the following processes includes all others? **(1 point)**

(a) transport of an ion down its electrochemical gradient

(b) passive transport

(e) None of the answers listed

(c) diffusion of a solute across a membrane

(d) osmosis

Q 9. DNA replication is carried out in the endoplasmic reticulum **(1 point)**:

(a) True

(b) False

(c) None of the answers listed

Q 10. Chromatin is found in the cytoplasm **(1 point)**

(a) True

(b) False

(c) None of the answers listed

Q 11. The nuclear envelope is composed of one membrane where nuclear pore complexes are inserted **(1 point)**:

- (a) True (b) False (c) None of the answers listed

Q 12. Which cell group does not possess a true nucleus ? **(1 point)**:

- (a) Prokaryotes (b) Animals (c) Eukaryotes (d) Plants (e) None of the answers listed

Q 13. There are two types of endoplasmic reticulum: rough and smooth. They are separated organelles **(1 point)**.

- (a) True (b) False (c) None of the answers listed

Q 14. Glycosidation takes place in the endoplasmic reticulum **(1 point)**.

- (a) True (b) False (c) None of the answers listed

Q 15. Which of the following together represent an endomembrane system? **(1 point)**

- (a) Vesicles **(0.25 point)** (b) Mitochondria (c) Smooth endoplasmic reticulum **(0.25 point)** (d) Golgi apparatus **(0.5 point)** (e) None of the answers listed

Q 16. The Golgi apparatus is a major glycosidation center of the cell **(1 point)**.

- (a) True (b) False (c) None of the answers listed

Q 17. Mitochondrial cristae are evaginations of the outer mitochondrial membrane **(1 point)**.

- (a) True (b) False (c) None of the answers listed

Q 18. Mitochondria are only present in those eukaryote cells with high energy demand **(1 point)**.

- (a) True (b) False (c) None of the answers listed

Q 19. Mitochondrial cristae are inner membrane expansions for protecting the mitochondrial DNA **(1 point)**.

- (a) True (b) False (c) None of the answers listed

Q 20. The main role of the respiratory chain is to generate a proton gradient **(1 point)**.

- (a) True (b) False (c) None of the answers listed

Answers

	Questions	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Answers	a	x			x								x		x	x	x			x	x
	b						x		x	x	x	x		x				x	x		
	c					x		x								x					
	d		x													x					
	e			x																	

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