

Biology Secondary1 1st term exam

(January 2020)

Choose the correct answer:

1-...../complex sugar that share in structure of the cell walls.

a) Starch	b) Cellulose	c) Glycogen	d) Sucrose
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2- Glucose $\longrightarrow$ oxidation $\longrightarrow$ energy stored in.....

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|---------------------------|---------------------------------|
| a) ATP compounds | b) Muscles in form starch |
| c) Liver in form glycogen | d) A plant cells in form starch |

3- The polar bear can bear the cold due to presence layer of.....

- | | |
|---|--------------------------------|
| a) Lipids under their skin | b) The wax is cover their body |
| c) The protein between skin and muscles | d) The oil cover their hair |

4- Casein differs from thyroxin in composition due to different.... in their components

- | | |
|---|-------------------------------------|
| a) Types of amino acids | b) Numbers and types of amino acids |
| c) Arrangement, types and number of amino acids | |
| d) Types. Numbers, arrangement of amino acids and element which linked them | |

5- Olive oil consists of a reaction.....

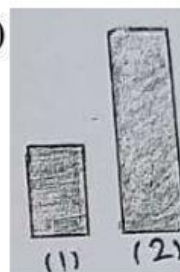
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|--|------------------------------|
| a) Saturated fatty acids with glycerol | b) Fatty acids with alcohols |
| c) Unsaturated fatty acids with glycerol | |
| d) Hydrolysis of simple lipids | |

6- One of the functions of RNA. Appear the genetic traits through the help in form

- a) Protein b) Carbohydrates c) Fats d) Lipids

7- In the opposite figure/ to increasing the reaction speed in state (1) to reach the same speed in state (2). It must presence

- a) Enzyme b) Enzyme, optimal temperature
c) Enzyme, optimal PH
d) Suitable enzyme, suitable PH, and optimal temperature



8- Polymerization of monosaccharaides to form starch is considered a process

- a) Catabolism b) Anabolism c) Oxidation d) Hydrolysis

9- To study fine composition of cytoplasm. Use a microscope

- a) Transmission electron microscope b) Simple light microscope
c) Complex light microscope d) Scanning electron microscope

10- The smallest building unit in the living that perform all the function of life is

- a) Cell b) Nucleus c) Tissue d) Organelle

11- To build the enzymes a cell needs to

- a) Amino acids b) Amino acids , RNA
c) Amino acids, single ribosomes ,RNA
d) RNA, amino acids and rough endoplasmic reticulum

12- In metaphase stage of cell division. Each DNA molecule is rotate around histone protein is known as

- a) Chromatin b) Chromatid c) Chromosome d) Centromere

13- The plastids in potato tuber are

- a) Color b) Green c) White, difficulty to store starch
d) Colorless and acts as storage center for starch

14- It envelopes the cell & prevent protoplasm from spreading out side it

- a) Cell wall b) Nuclear membrane
c) Plasma membrane d) Flat membranous sacs

15- In chloroplast occurs a process

- a) Breaking glucose b) Catabolism of carbohydrates
c) Converting chemical energy to light energy
d) Energy storage in the chemical bounds of glucose sugar

16- This figure shows the structure of cell organelle is considered.....
.....in the cell

- a) Center of protein building b) Store cell wastes
c) Respiratory enzymes repository
d) Repository for digestive enzymes



17- A network of fine filaments and tubes shape that gives supporting and strength of the cell is...

- a) Cytoskeleton b) Chromatin
c) Spindle fibers d) The endoplasmic reticulum

18- One of the characteristics of synthetic parenchymal tissue that suit its job as ventilation process

- a) It contains one or more big vacuole b) It contains chloroplasts
- c) It contain colorless plastids
- d) Has thin and flexible walls, there are spaces

19- The tissue.....that lines the alimentary canal and keep it smooth and moist

- a) Muscular b) Epithelial
- c) Proper connective d) Vascular connective.

20- In the opposite figure illustrates the structure of a building unit of acid. From heir function

- a) enter in protein synthesis b) enter in lipids synthesis
- c) carrying the genetic traits
- d) connecting between different tissues and organs

