

# Biology Secondary1 1<sup>st</sup> 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 |
|-----------|--------------|-------------|------------|

2- Glucose  $\longrightarrow$  oxidation  $\longrightarrow$  energy stored in.....

- |                           |                                 |
|---------------------------|---------------------------------|
| 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.....

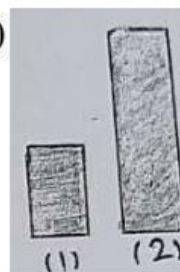
- |                                          |                              |
|------------------------------------------|------------------------------|
| a) Saturated fatty acids with glycerol   | b) Fatty acids with alcohols |
| c) Unsaturated fatty acids with glycerol |                              |
| 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

