

Question 1

1) Cuboidal and Columnar are forms of

- A. Connective tissues.
- B. Muscular tissues.
- C. Nervous tissues
- D. Epithelial tissues

Question 2

2) Food is processed in four stages which are:

- A. Ingestion – Digestion – Absorption – Elimination
- B. Absorption – Digestion – Elimination – Ingestion
- C. Elimination – Absorption – Ingestion – Digestion
- D. Digestion – Ingestion – Absorption – Elimination

Question 3

3) The process that duplicate a DNA molecules is called:

- A. Replication
- B. Synthesis
- C. Translation
- D. Transcription

Question 4

4) A sequence of DNA that directs the synthesis of a specific protein is called:

- A. Stroma
- B. Gene
- C. Lipids
- D. Chloroplast
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Question 5

- 5) The term _____ refers to the fact that a tissue has one layer of cells.
- A. Stratified
- B. Smooth
- C. Simple
- D. None of the above

Question 6

6) The three basic structural differences between DNA and RNA are

A. RNA has the base uracil instead of thymine in DNA.

B. DNA has the sugar deoxyribose but RNA has the sugar ribose.

C. DNA is double stranded while RNA is single stranded.

D. all of the above

Question 7

7) Excess energy is stored in the body as:

- A. Proteins
- B. Starch
- C. Glycogen or fat
- D. Fat

Question 8

8) The Digestive enzymes

- A. Breakdown food
- B. Make food soluble
- C. Change large insoluble food molecules into smaller, soluble molecules
- D. All of the above

Question 9

9) The mammalian trachea and oesophagus both connect to the

- A. Stomach.
- B. Epiglottis
- C. Pharynx
- D. Large intestine

Question 10

10) Which of the following is a valid comparison between DNA and RNA?

- A. Deoxyribose – ribose
- B. Double stranded – single stranded
- C. Adenine - thymine
- D. Thymine - Uracil

Question 11

11) The synthesis of m RNA from existing DNA occurs in the _____.

- A. Cytoplasm
- B. Mitochondria
- C. Ribosomes
- D. Nucleus

Question 12

12) Which molecule contains the genetic code?

- **A. DNA**
- B. Protein
- C. t RNA
- D. all of the above

Question 13

13) Which of the processes below occur in the nucleus?

- A. Replication and transcription
- B. Replication and translation
- C. Transcription and translation
- D. All of the above

Question 14

14) Translation is the process of:

- A. mRNA is created from DNA.
- B. mRNA is created from proteins.
- C. mRNA is decoded in ribosomes to protein
- D. All of the above

Question 15

15) The type of muscle tissue that lines the internal organs is ---

- A. skeletal muscle.
- B. intercalated cells.
- C. smooth muscle
- D. cardiac muscle

Question 16

16) Which of the following are epithelial tissues?

- A. squamous, cuboidal, and columnar cells
- B. red blood cells and platelets
- C. neurons
- D. All of the above

Question 17

17) Which of the following enzymes is required to join DNA small fragments into a continuous chain?

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- A. Polymerase
- B. Ligase
- C. Primase
- D. None of the above

Question 18

- 18) Which of these is a connective tissue?
- A. Adipose
- B. Cuboidal
- C. neurons
- D. All of the above

Question 19

19) What type of tissue holds most organs together?

- A. Adipose
- B. Smooth
- C. loose connective
- D. None of the above

Question 20

20) Which of the following nitrogenous bases is NOT a pyrimidine?

- A. Cytosine
- B. Thymine
- C. Guanine
- D. None of the above