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Vendor:TEAS

Exam Code:TEAS-SECTION-2

Exam Name:Test of Essential Academic Skills -
Sentence Correction

Version:Demo

QUESTION 1

When does the nuclear division of somatic cells take place during cellular reproduction?

- A. mitosis
- B. meiosis
- C. cytokinesis
- D. interphase

Correct Answer: A

The nuclear division of somatic cells takes place during mitosis.

QUESTION 2

A body of mass 30 kg is traveling in space at a speed of 10 m/s. Given that the formula for kinetic energy is $KE = 0.5 m v^2$, and m is mass and v is speed of an object, what is its kinetic energy?

- A. 1000 J
- B. 4600 J
- C. 120 J
- D. 1500 J

Correct Answer: D

QUESTION 3

Spinal muscular atrophy (SMA) is an autosomal recessive disorder.

Knowing this information, what are the chances that a child will not have the recessive allele if both of his parents are carriers?

- A. 100%
- B. 0%
- C. 50%
- D. 25%

Correct Answer: D

QUESTION 4

Which structure is not considered a part of the rib cage?

- A. the thoracic vertebrae
- B. costal cartilage
- C. sternum
- D. the lumbar vertebrae

Correct Answer: D

QUESTION 5

Large lymphatic trunks unite to form which two main vessels of the lymphatic system?

- A. thoracic duct and superior vena cava
- B. right lymphatic duct and thoracic duct
- C. left lymphatic duct and thoracic duct
- D. right lymphatic duct and left subclavian vein

Correct Answer: B

QUESTION 6

Which of these statements is false regarding blood cells?

- A. Mature red blood cells are oval, bi-concave discs with a lifespan of 120 days.
- B. White blood cells are larger and less abundant than red blood cells.
- C. Phagocytes and lymphocytes are the most numerous types of white blood cells.
- D. Mature red blood cells are bi-concave discs that have a central nucleus and long life span.

Correct Answer: D

QUESTION 7

Cardiac muscles exhibit which of these features?

- A. striated, involuntary, intercalated discs not present
- B. striated, involuntary, intercalated discs present
- C. striated, voluntary, intercalated discs present
- D. unstriated, involuntary, intercalated discs present

Correct Answer: B

QUESTION 8

Which pyrimidine base is only found in RNA?

- A. adenine
- B. uracil
- C. cytosine
- D. guanine

Correct Answer: B

QUESTION 9

	B	g
B	BB	Bg
g	Bg	gg

Which word describes the allele for green eyes?

B = alleles for brown eyes; g = alleles for green eyes

- A. homozygous
- B. dominant
- C. heterozygous
- D. recessive

Correct Answer: D

Recessive alleles are represented by lower case letters, while dominant alleles are represented by upper case letters.

QUESTION 10

Which of these groups of physical quantities consists only of scalars?

- A. time, velocity, force
- B. mass, velocity, acceleration
- C. speed, weight, acceleration

D. mass, speed, time

Correct Answer: D

QUESTION 11

In a chemical reaction: sulfuric acid + substance x = salt + water + carbon dioxide

What could substance x be?

A. copper(II) oxide

B. potassium

C. sodium carbonate

D. magnesium hydroxide

Correct Answer: C

QUESTION 12

Which of the following is exchanged between two or more atoms that undergo ionic bonding?

A. electrical charges

B. valence electrons

C. transitory electrons

D. neutrons

Correct Answer: B

An ionic bond forms when one atom donates an electron from its outer shell, called a valence electron, to another atom to form two oppositely charged atoms.