

SCIENCE

REVISION and MODEL QUESTIONS

60) Four alternatives are given for each of the following questions / incomplete statements. Only one of them is correct or most appropriate. Choose the correct alternative and write the complete answer along with its letter of alphabet.

1) A property of carbon that is responsible for giving rise large molecules is

- (a) tetravalency (b) catenation
(c) inflammability (d) allotropism

Ans: (B) catenation

2) Which Acid is present in Tomato?

- (a) Citric Acid (b) Oxalic Acid
(c) Lactic Acid (d) HCl

Ans: (b) Oxalic Acid

3) An enzyme that secretes by the pancreas to digest protein is

- (A) amylase (B) pepsin
(C) trypsin (D) lipase

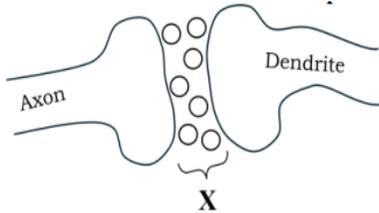
Ans: (C) trypsin

4) A non-metal used to preserve food material is:

- (a) Carbon (b) Phosphorus
(c) Sulphur (d) Nitrogen

Ans: (d) Nitrogen

5) Observe the figure given below. The name of the part 'X' and its function is



(A) Neuron; transmits chemicals as electrical impulses

(B) synapse; transmits electrical signals generated at the axon terminal to the dendrite

(C) Neuron; transmits electrical impulses as chemicals

(D) synapse; transmits chemical signals generated at the axon terminal to the dendrite

Ans: (D) synapse; transmits chemical signals generated at the axon terminal to the dendrite

6) Which of the following is the most reactive element of group 17?

- (a) Oxygen (b) Sodium
(c) Fluorine (d) Magnesium

Ans: (c) Fluorine

7) In amoeba, food is digested in the:

- (a) Food vacuole (b) Mitochondria
(c) Pseudopodia (d) Chloroplast

Ans: (a) Food vacuole

8) In a zygote there are 24 pairs of chromosomes. Then the number of chromosomes present in the gametes are

- (A) 24 pairs (B) 48
(C) 6 pairs (D) 24

Ans: (D) 24

9) What is the function of the pituitary gland?

- (a) To develop sex organs in males
(b) To stimulate growth in all organs
(c) To regulate sugar and salt levels in the body
(d) To initiate metabolism in the body

Ans: (b) To stimulate growth in all organs

10) The male reproductive parts of a flower, the stamens, are collectively known as

- (a) Androecium (b) Filament
(c) Anther (d) Gynoecium

Ans: (a) Androecium

11) Which section of DNA provides information for one protein?

- (a) Nucleus (b) Chromosome
(c) Trait (d) Gene

Ans: (d) Gene

12) When a plane mirror is rotated through a certain angle, the reflected ray turns through twice as much and the size of the image:

- (a) is doubled (b) is halved
(c) becomes infinite (d) remains the same

Ans: (d) remains the same

13) A person went for a medical check-up and found that the curvature of his eye lens was increasing. Which defect is he likely to suffer from?

- (a) Myopia (b) Cataract
(c) Presbyopia (d) Hypermetropia

Ans: (a) Myopia

14) The most suitable material for making the core of an electromagnet is :

- (a) Steel (b) Iron
(c) Soft iron (d) Aluminium

Ans: (c) Soft iron

15) Which process explains the energy extraction from a sea wave?

- (a) using the kinetic energy of the waves to produce electricity
(b) using the thermal energy of the waves to produce electricity
(c) using chemical energy of the waves to generate electricity
(d) using electrical energy of the waves to generate electricity

Ans: (a) using the kinetic energy of the waves to produce electricity

16) Silver chloride turns grey when exposed to sunlight. This is because silver chloride

- (A) decomposes to form silver.
(B) decomposes to form chlorine.
(C) combines with oxygen.
(D) reacts with atmospheric moisture.

Ans: (A) decomposes to form silver.

17) The S I unit of electric current is

- (A) ampere (A) (B) ohm (Ω)
(C) volt (V) (D) watt (W)

Ans: (A) ampere (A)

(Contd.....)