

Biology Model Question Paper - 6

Question 1 : The sugar present in milk is _____.

- (A) Sucrose
- (B) Fructose
- (C) Lactose
- (D) Glucose

Answer: (C)

Question 2 : The space between the plasma membrane and the cell wall of a plasmolyzed cell surrounded by a hypertonic solution is occupied by the

- (A) hypotonic solution
- (B) isotonic solution
- (C) hypertonic solution
- (D) water

Answer: (C)

Question 3 : The single horned Rhinoceros is protected at _____.

- (A) Kaziranga National Park
- (B) Kahna National Park
- (C) Rajiv Gandhi National Park
- (D) Anashi National Park

Answer: (A)

Question 4 : The number of ATP produced when a molecule of glucose undergoes fermentation is

- (A) 4
- (B) 36
- (C) 2
- (D) 38

Answer: (C)

Question 5 : The offspring produced from a marriage have only O or A blood groups. Of the genotypes given below, the possible genotypes of the parents would be

- (A) $I^O I^O$ and $I^O I^O$
- (B) $I^A I^A$ and $I^O I^O$
- (C) $I^A I^O$ and $I^O I^O$
- (D) $I^A I^A$ and $I^A I^O$

Answer: (C)

Question 6 : The part of the brain where the centre for hunger and thirst is located is

- (A) Cerebrum
- (B) Hypothalamus
- (C) Cerebellum
- (D) Medulla Oblongata

Answer: (B)

Question 7 : The species, though insignificant in number, determine the existence of many other species in a given ecosystem. Such species is known as

- (A) Keystone species
- (B) Sacred species
- (C) Endemic species
- (D) Extinct species

Answer: (A)

Question 8 : The scientific name of the moth which produce tasar is

- (A) *Bombyx mori*
- (B) *Antheraea mylitta*
- (C) *Antheraea assamensis*
- (D) *Philosomia ricini*

Answer: (B)

Question 9 : The rosette habit of cabbage can be changed by application of

- (A) IAA
- (B) GA
- (C) ABA
- (D) Ethephon

Answer: (B)

Question 10 : The respiratory quotient during cellular respiration would depend on

- (A) the nature of the substrate
- (B) the amount of carbon dioxide released
- (C) the amount of oxygen utilised
- (D) the nature of enzymes involved

Answer: (A)

Question 11 : The reflex arc, which is made of two neurones is known as

- (A) Monosynaptic reflex arc
- (B) Disynaptic reflex arc
- (C) Polysynaptic reflex arc
- (D) Asynaptic reflex arc

Answer: (A)

Question 12 : The presence of corollary corona, sagittate anthers and dumb-bell shaped stigma are the characteristic features of _____.

- (A) *Hibiscus rosa-sinensis*
- (B) *Musa paradisiaca*
- (C) *Ravenala madagascariensis*
- (D) *Catharanthus roseus*

Answer: (D)

Question 13 : The name of the pacemaker of the heart is

- (A) Lymph node
- (B) S.A. node
- (C) Juxtaglomerular apparatus
- (D) Semilunar valve

Answer: (B)

Question 14 : The name of Smt. Thimmakka is associated with the

- (A) planting and conservation of avenue trees
- (B) agitations against hydroelectric project
- (C) 'Appiko' movement
- (D) conservation of fauna and flora of the western ghats

Answer: (A)

Question 15 : The main difference between Gram positive and Gram negative bacteria is

- (A) Cell membrane
- (B) Cell wall
- (C) Ribosome
- (D) Mitochondria

Answer: (A)