

Biology Model Question Paper - 4

Question 1 : Which of following two hormones are essential for induced breeding of fishes?

- (A) TSH and ACTH
- (B) Oestrogen and progesterone
- (C) FSH and LH
- (D) Vasopressin and oxytocin

Answer: (C)

Question 2 : When red blood corpuscles containing both A and B antigens are mixed with your blood serum, they agglutinate. Hence your blood group is _____ type.

- (A) O
- (B) AB
- (C) B
- (D) A

Answer: (A)

Question 3 : When the oxygen supply to the tissue is inadequate, the condition is

- (A) Dyspnea
- (B) Hypoxia
- (C) Asphyxia
- (D) Apnea

Answer: (B)

Question 4 : Which of the following is properly matched?

- (A) Echinodermata - Asteroidea - Star fish
- (B) Arthropoda - Insecta - Spider
- (C) Mollusca - Cephalopoda - Unio
- (D) Platyhelminthes - Trematoda - Planaria

Answer: (A)

Question 5 : Which of the following is NOT correctly matched?

- (A) Sycon – Canal system
- (B) Star fish – Radial symmetry
- (C) Ascaris – Flame cell
- (D) Prawn – Haemocoel

Answer: (C)

Question 6 : Which of the following is not a green house gas?

- (A) Carbon monoxide

- (B) Methane
- (C) Oxygen
- (D) Water vapour

Answer: (C)

Question 7 : Which of the following is a mineralocorticoid?

- (A) Testosterone
- (B) Progesterone
- (C) Adrenalin
- (D) Aldosterone

Answer: (D)

Question 8 : Which of the following hormones is a steroid?

- (A) Estrogen
- (B) Insulin
- (C) Glucagon
- (D) Thyroxine

Answer: (A)

Question 9 : Which of the following hormones does not naturally occur in plants?

- (A) IAA
- (B) GA
- (C) ABA
- (D) 2, 4 - D

Answer: (D)

Question 10 : Which of the following hormones does not contain a polypeptide?

- (A) Oxytocin
- (B) Insulin
- (C) Antidiuretic hormone
- (D) Prostaglandin

Answer: (D)

Question 11 : Which function will be lost due to damage of occipital lobe?

- (A) Hearing
- (B) Speech

- (C) Vision
- (D) Memory

Answer: (D)

Question 12 : Which centre is stimulated during increase in body temperature

- (A) Anterior hypothalamus
- (B) Posterior hypothalamus
- (C) Limbic system
- (D) Red nucleus

Answer: (C)

Question 13 : When the two ecosystems overlap each other, the area is called

- (A) Habitat
- (B) Niche
- (C) Ecotone
- (D) Ecotype

Answer: (A)

Question 14 : When the blood contains a high percentage of CO₂ and a very low percentage of O₂, the breathing stops and the person becomes unconscious. This condition is known as

- (A) suffocation
- (B) asphyxia
- (C) emphysema
- (D) eupnoea

Answer: (B)

Question 15 : When DNA replication starts

- (A) The hydrogen bonds between the nucleotides of two strands break.
- (B) The phosphodiester bonds between the adjacent nucleotides break.
- (C) The bonds between the nitrogen base and deoxyribose sugar break.
- (D) The leading strand produces okazaki fragments.

Answer: (A)