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)