

## B.Sc. S.Y (Sem-III)

## 2175 Zoology Paper-VII Vertebrate Zoology

Time: One Hour

Max. Marks: 25

Instruction:-

- Solve any 25 Question from Q1 to Q30

- The body of all vertebrates is -  
(A) Bilaterally symmetrical (B) Radially symmetrical (C) Asymmetrical (D) Biradially asymmetrical
- In vertebrates the major constituent of bone is -  
(A) Calcium Carbonate (B) Calcium Phosphate (C) Sodium Chloride (D) Calcium Magnesium Phosphate
- Fishes are -  
(A) Homeotherms (B) Poikilotherms (C) Euryotherms (D) Stinootherms
- Blastopore in frog is found in -  
(A) Gastrula (B) Blastula (C) Cleavage (D) Mature egg
- The poison glands of a poisonous snake are modified -  
(A) Buccal gland (B) Salivary gland (C) Palentine gland (D) Lacrimal gland
- The venom of viper effects on -  
(A) Circulatory system (B) Digestive system (C) Excretory system (D) Nervous system
- Birds as -  
(A) Uricotelic (B) Uritelic (C) Ammonotelic (D) none of these
- Mammals are -  
(A) Urithermal (B) Homeothermal (C) Poikilothermal (D) Stenothermal
- Methods of banding in birds is associated with -  
(A) Plucking (B) Migration (C) Incubation (D) Stuffing
- Which of the following sets of animal belong to class cyclo-stomata -  
(A) Amphioxus and Balanoglossus (B) Herdmania and Petromyzon (C) Herdmania and Myxine (D) Petromyzon and Myxine
- Jaws are absent in -  
(A) Fishes (B) Cyclostomata (C) Mammals (D) Scoliodon
- Thermoreceptors of Scoliodon are--  
(A) Stato-acoustic organs (B) Neuromast organs (C) Lateral line system (D) Ampula of Lorenzini
- Division of frog eggs is-  
(A) Holoblastic (B) Meroblastic (C) Diploblastic (D) Triploblastic
- On the basis of amount of yolk present, the egg of the frog is-  
(A) Isolecithal (B) Microlecithal (C) Telolecithal (D) Both a and b
- Snakes lacks -  
(A) Limbs (B) Girdles (C) Eyelids (D) All of the above
- In poisonous snakes the fangs are developed on -  
(A) Mandibles (B) Maxilla (C) Quadrate (D) Squamosal
- In birds the bones are characterized by -  
(A) Being light in weight (B) Spongy nature but strong (C) Having air cavities (D) All of the above
- Placenta is totally absent in-  
(A) All Monotremers (B) Metatherians (C) Utherians (D) All Primates
- Fishes are characterized by the presence of-  
(A) Dermal scale (B) Paired fin (C) pharyngeal gills (D) All of the above
- Heart of fishes is-  
(A) One chambered (B) Two chambered (C) Three chambered (D) Four chambered
- Fertilization in frog takes place in -  
(A) Land (B) Land and water (C) Water (D) Mud
- Blastopore in frog is found in -  
(A) Gastrula (B) Blastula (C) Cleavage (D) Mature egg
- The venom of snake is -  
(A) Haemolytic (B) Neurotoxic (C) Neurotoxic and Haemolytic (D) None of the above
- In birds which one of the following is absent -  
(A) Gall Bladder (B) Urinary Bladder (C) Teeth (D) All of the above
- The study of migration of bird is -  
(A) Ecology (B) Nidology (C) Phenology (D) Phrenology
- Most important characteristic of mammal -

- (A) Presence of thecodont dentition (B) A four chambered heart (C) Presence of corpus callosum in brain (D) Presence Diaphragm
- 27 Scales in cyclostomes are -  
 (A) Absent (B) Cycloid (C) Placoid (D) Ctinoid
- 28 Mouth in Myxiniiformes is -  
 (A) Sub-terminal with four pairs of tentacles (B) Terminal with four pairs of tentacles (C) Lateral with four pairs of tentacles (D) Ventral with four pairs of tentacles
- 29 The Oesophageal opening into the cardiac stomach is guarded by -  
 (A) Blind sac (B) Sphincter valve (C) Scroll valve (D) Oesophageal valve
- 30 The heart in scoliodon receives -  
 (A) Both venous and arterial blood (B) Only arterial blood (C) Only venous blood (D) Blood only from gills