



**WEST BENGAL STATE UNIVERSITY**  
B.Sc. Honours 3rd Semester Examination, 2019

**ZOOACOR05T-ZOOLOGY (CC5)**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

*Candidates should answer in their own words and adhere to the word limit as practicable.*

*All symbols are of usual significance.*

1. Answer any **eight** questions from the following: 2×8 = 16
  - (a) What kind of metamorphosis is found in Ascidia? Why is it so named?
  - (b) Give two features of cyclostomes.
  - (c) Name the types of feathers found in birds.
  - (d) Distinguish between cartilaginous and bony fish.
  - (e) What is diastema?
  - (f) What is Foramen of Panizzae?
  - (g) What is Wheel organ of Muller?
  - (h) Distinguish between anapsid and diapsid skull.
  - (i) Name the zoogeographical realms of the world.
  - (j) Name the muscles associated with biting mechanism of venomous snake.
  - (k) What is Wallace's line?
  - (l) Where is Pineal eye found?
  
2. Answer any **three** questions from the following: 3×3 = 9
  - (a) Mention three characteristic features of Phylum Chordata. 3
  - (b) Write a short note on echolocation of cetaceans. 3
  - (c) Describe the metamorphosis of amphibia with example. 3
  - (d) Write the role of Pharynx in feeding in *Branchiostoma* sp. with diagram. 2+1
  - (e) Compare between: 1½ + 1½
    - (i) Amphibian and Reptilian skins
    - (ii) Scales of Fish and Reptilia.
  
3. Answer any **three** questions from the following: 5×3 = 15
  - (a) Name the class and respective order of the following animals: 5
    - (i) Rhacophorus
    - (ii) Gavialis
    - (iii) Ichthyophis
    - (iv) Balaenoptera
    - (v) Macropus.
  - (b) Classify class Reptilia up to living orders with example. 5
  - (c) Write a note on the role of swim bladder in— 3+2
    - (i) aerial respiration,
    - (ii) hydrostatic organ.
  - (d) Describe the structure of a typical feather with diagram. 3+2
  - (e) Elaborate the structure and function of poison apparatus in a viperidae snake. 3+2

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