



WEST BENGAL STATE UNIVERSITY  
B.Sc. Honours 4th Semester Examination, 2023

ZOOACOR08T-ZOOLOGY (CC8)

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.*

1. Answer any **eight** questions from the following: 2×8 = 16
- Define cranial nerve. How many cranial nerves are found in human?
  - Differentiate between mesonephric and metanephric kidney.
  - Mention the different Valves in mammalian heart and their positions.
  - What is parabronchi?
  - Where do we find bunodont teeth?
  - What is pyloric sphincter?
  - Distinguish between sulci and gyri.
  - Write down dental formula of elephant.
  - What is aqueduct of Sylvius?
  - What is Wolffian duct?
  - How many aortic arches are found in cyclostomes and reptiles?
  - How many types of uteri are found in vertebrates? Name them.
2. Answer any **three** questions from the following: 3×3 = 9
- Write down the role of afferent and efferent branchial artery in fish. 3
  - Define foramen ovale, foramen magnum and foramen of Panizza. 1+1+1
  - Enumerate briefly the jaw suspension of mammals. 3
  - Define receptor. Add a note on chemoreceptor in Vertebrates. 1+2
  - Describe the structure of Venous heart with simple diagram. 2+1
3. Answer any **three** questions from the following: 5×3 = 15
- Mention the components of respiratory system in birds. Write down the function of air sacs in birds. 2+3
  - Describe the auditory receptor in human with diagram. 3+2
  - Give a comparative account of aortic arch in mammals and birds. 5
  - Explain any one integumentary derivative of birds with diagram. What is Pterylae? 3+1+1
  - Write short notes on: (any **two**) 2½ × 2 = 5
    - Gizzard in bird,
    - Nail and Hoofs,
    - C.S.F.

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