



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 4th Semester Examination, 2022

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
 - (a) What is Syninx? State its function.
 - (b) How many air sacs are found in birds? Name them.
 - (c) What is carnassial teeth?
 - (d) Name the integumentary derivatives found in man.
 - (e) Define ARO.
 - (f) What do you mean by Holostylic Jaw Suspension? Where do you find it?
 - (g) What do you mean by tripartite concept?
 - (h) Define aortic arch. How many aortic arches are found in man?
 - (i) What is your dental formula?
 - (j) Mention origin and distribution of V-th and VII-th cranial nerves.
 - (k) Define double respiration.
 - (l) Name the different valves of mammalian heart and mention their position.

2. Answer any **three** questions from the following: 3×3 = 9
 - (a) Draw and describe briefly about reptilian heart. $1\frac{1}{2} + 1\frac{1}{2} = 3$
 - (b) Explain mesonephric Kidney with simple diagrams. 3
 - (c) Describe the anatomy of mammalian ruminant stomach with suitable diagram. $1\frac{1}{2} + 1\frac{1}{2} = 3$
 - (d) What do you mean by true horn? Where are they found? 2+1=3
 - (e) Explain Rheoreceptors with examples. 3

3. Answer any **three** questions from the following: 5×3 = 15
 - (a) Give a comparative account of aortic arches from fishes to birds through evolutionary lineage. 5
 - (b) Describe the structure of mammalian Skin with diagram. $3\frac{1}{2} + 1\frac{1}{2} = 5$
 - (c) Classify different types of teeth found in mammals. 5
 - (d) Define cranial nerve. Mention the names of cranial nerves found in Vertebrates. 1+4=5
 - (e) Write short notes on: (Any **two**) $2\frac{1}{2} \times 2 = 5$
 - (i) Foramen of Panizza (ii) Choroid Plexus (iii) Stomach of Birds

N.B. : Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.

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