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***) $2\frac{1}{2}×2=5$
       (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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