



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 3rd Semester Examination, 2021-22

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 do you mean by Hatschek pit?
 - (b) What is venom?
 - (c) What is a pterylae?
 - (d) State two characteristics of cyclostomata.
 - (e) What is organ of Jacobson?
 - (f) Name two poisonous and two non-poisonous snakes.
 - (g) Write the meaning of diapsida.
 - (h) What is down feather?
 - (i) What is the difference between Neoteny and Paedogenesis?
 - (j) What is red body and gas gland?
 - (k) What is crossopterygii? Give example.
 - (l) How many zoogeographical realms are there? Name them.
 - (m) Write down the chief characteristic features of chordate.
2. Answer any **three** questions from the following: 3×3 = 9
- (a) What is Axolotl larva? Write the hormonal control of metamorphosis. 1+2
 - (b) Classify Reptilia with example. 3
 - (c) Write down the subdivisions of Ethiopian realm. Name two birds and two mammals found in this realm. 1+1+1
 - (d) Write short note on the transfer of venom in case of poisonous snake. 3
 - (e) Write the comparison between Ratites and Carinates. 3

3. Answer any **three** questions from the following: 5×3 = 15
- (a) Name the class and order of the following:
- (i) *Mabuya* sp.
 - (ii) *Tenuialosa* sp.
 - (iii) *Tylototriton* sp.
 - (iv) Parakeet
 - (v) Hippocampus.
- (b) Describe the aerodynamics of flight in birds with suitable diagram. 4+1
- (c) Write about two types of swim bladder found in fishes. Write about adaptive radiation with example. $2\frac{1}{2}+2\frac{1}{2}$
- (d) Classify Amphibia with example. 5
- (e) Write about echolocation in bat. What are the adaptations in cetaceans regarding echolocation? 3+2

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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