

2020

ZOOLOGY — HONOURS

Paper : CC-5

Full Marks : 50

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

Unit : I-VIII

1. Answer **any fifteen** questions :

2×15

- (a) What is tunicin? Where is it found?
- (b) What is hemotoxic venom?
- (c) State two characteristics of Subclass Theria.
- (d) What is aspect ratio of wing?
- (e) What is 'Zugruhe'?
- (f) Define hemibranch and holobranch.
- (g) What is echolocation?
- (h) Write distinctive features of Anapsid skull.
- (i) Write scientific names of two poisonous snakes from West Bengal.
- (j) What is 'Foramen of Panizza'?
- (k) State two functions of swim bladder.
- (l) Define 'neoteny'. Give example.
- (m) Define 'migration' in birds.
- (n) State two characteristic features of Rhynchocephalia.
- (o) Distinguish between Anura and Urodela.
- (p) What is Wheel organ? State its function.
- (q) What is ciliary feeding?
- (r) State two differences between Chondrichthyes and Osteichthyes.
- (s) State difference between claw and nail.
- (t) What is Solenoglyphous fang?
- (u) Define parental care.

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- (v) State the chordate features of Branchiostoma.
- (w) Name two migratory birds found in India.
- (x) State two differences of microchiroptera and megachiroptera.
- (y) Define anadromous migration. Give one example.

2. Answer **any four** questions :

5×4

- (a) Distinguish between FM and CF calls of bat.
 - (b) State the advantages of migration in birds.
 - (c) Describe briefly the steps in biting mechanism of poisonous snake.
 - (d) Describe with diagram the ARO of *Anabas* sp.
 - (e) Compare and contrast the process of progressive and retrogressive metamorphosis.
 - (f) Briefly narrate with examples of nest building behaviour of any five fishes.
 - (g) Briefly describe the aerodynamic principle of bird's flight.
 - (h) Distinguish between Archeornithes and Neornithes.
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