

Bachelor of Science (B.Sc.) Semester-IV (C.B.S.) Examination
ZOOLOGY (Life & Diversity of Animals Chordates : Reptilia, Aves and Mammals)
Paper—I

Time : Three Hours]

[Maximum Marks : 50]

N.B. :— (1) **ALL** questions are compulsory.
(2) All questions carry equal marks.
(3) Draw suitable diagrams wherever necessary.

1. Give an account of poison apparatus and biting mechanism in snake.

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OR

Write notes on :

(A) Flight adaptations in birds. 5
(B) General characters of Metatheria. 5

2. Give an account of races in Man. 10

OR

Write notes on :

(A) Darwin's theory of Evolution. 5
(B) Species concept. 5

3. Give an account of structure of fertilized egg of hen. 10

OR

Write notes on :

(A) Development of Amnion and its functions. 5
(B) Aortic arches in Mammals. 5

4. Give an account of types of placenta on the basis of histology. 10

OR

Write notes on :

(A) Use of stem cell in human welfare. 5
(B) Rhythmic behaviour in Mammals. 5

5. Write four or five lines on the following (any **ten**) :

(i) Carinatae	(ii) Anapsid
(iii) Neurotoxin	(iv) Deme
(v) Cursorial adaptation	(vi) Neo-Darwinism
(vii) Somite	(viii) Yolk sac
(ix) Hensen's node	(x) Pheromones
(xi) Blastocyst	(xii) Functions of placenta.

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