

B.Sc. Semester - 4 (CBCS) Examination
March/April-2025 [NEW COURSE]
Zoology-Z401(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) (10)
1. Give the classification of super class Pisces up to class.
 2. Write a note on platypus as connecting link.
 3. Give general account of Ratitae.
- Que-1 (B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Give the character of Class Amphibia with suitable examples.
 2. Describe Archaeopteryx as connecting link.
- Que-2 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) (10)
1. Describe Digestive system of calotes.
 2. Describe Migration in fishes.
 3. Write difference between poisonous and non-poisonous snakes.
- Que-2 (B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Sketch and label: Arterial system of calotes.
 2. Write a short note on Python and Cobra.
- Que-3 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) (10)
1. Describe types of cleavage.
 2. Describe structure of nephron.
 3. Write a note on Menopause.
- Que-3 (B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Describe types of eggs according to yolk.
 2. Write a note on Hormones of Ovary.
- Que-4 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) (10)
1. Write a note on a DNA fingerprinting.
 2. Describe structure of Chromosome.
 3. Give a general account on Kappa particles in paramecium.
- Que-4 (B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Describe types of chromosome according to centromere.
 2. Write a note on Sickle-Cell anemia.
- Que-5 (A) ANSWER THE FOLLOWING QUESTIONS. (ANY TWO OUT OF THREE) (10)
1. Write a note on Evolution of Man.
 2. Compare the aortic arches of Pisces and Reptiles.
 3. Describe Bombay duck fisheries.
- Que-5 (B) ANSWER THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)
1. Write a note on Homologous and Analogous organs.
 2. Describe Pomfret fisheries.
