

B.Sc. Semester - 4 (CBCS) Examination
March/April-2023 [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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- Q.1(A) Answer the following question. (Any Two) (10)**
1. Give the classification of Super class Pisces up to class with suitable examples.
 2. Give the classification of class Reptile with suitable examples.
 3. Describe platypus as connecting link between Aves & Mammals.
- Q.1(B) Answer the following question. (Any One) (04)**
1. Give the classification of class Amphibia with suitable examples.
 2. Write a short note on Ratitae.
- Q.2(A) Answer the following question. (Any Two) (10)**
1. Describe Digestive System of Calotes.
 2. Give the identification keys for Non-poisonous and Poisonous snakes with any two examples.
 3. Describe brain of Calotes.
- Q.2(B) Answer the following question. (Any One) (04)**
1. Write a short note on Migration in fishes.
 2. Sketch and Label : Arterial system of Calotes.
- Q.3(A) Answer the following question. (Any Two) (10)**
1. Describe types of egg according to yolk.
 2. Describe structure of Nephron in Detail.
 3. Describe menopause with its characteristic symptoms.
- Q.3(B) Answer the following question. (Any One) (04)**
1. Write a short note on Types of Cleavage.
 2. Write a short note on Hormones of Testis.
- Q.4(A) Answer the following question. (Any Two) (10)**
1. Describe : Polytene Chromosome.
 2. Describe kappa particles in paramicium as cytoplasmic inheritance.
 3. Describe sex determination in Drosophila.
- Q.4(B) Answer the following question. (Any One) (04)**
1. Write a short note on DNA Finger printing.
 2. Write a short note on Sickle cell anemia.
- Q.5(A) Answer the following question. (Any Two) (10)**
1. Give the comparative account of aortic arches in pisces and amphibia.
 2. Describe Evolution of Man in detail.
 3. Describe Bombay Duck fisheries in detail.
- Q.5(B) Answer the following question. (Any One) (04)**
1. Write a short note on vestigial organ of human.
 2. Write a short note on pomfret fishries.
