

B.Sc. Semester - 4 (CBCS) Examination**March/April- 2018****ZOOLOGY****(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) Give the answer of following questions. (4)
(1) What is Systematic?
(2) What is connecting link?
(3) Write Classification of Frog.
(4) What is the location of notochord in Urochordates?
- Que. 1 (B) Write any one out of Two. (2)
(1) Explain Draco in short.
(2) What is fertilization? Explain with example of amphioxus.
- Que. 1 (C) Write any one out of Two. (3)
(1) Draw classification chart of vertebrates with examples
(2) Write short note on Reptiles.
- Que. 1 (D) Write any one out of Two. (5)
(1) Write general account of Ratitae.
(2) Write short note on platypus.
- Que. 2 (A) Give the answer of following questions. (4)
(1) What is anadromous migration?
(2) Why fishes are migrating?
(3) How antivenum works?
(4) Name five non venoms snakes.
- Que. 2 (B) Write any one out of Two. (2)
(1) Write characteristics of Catadromous type of Migration.
(2) Draw any venomous snake and mark (label) its identification points on the diagram
- Que. 2 (C) Write any one out of Two. (3)
(1) Write short note on cobra.
(2) Explain Reproductive system of calotes
- Que. 2 (D) Write any one out of Two. (5)
(1) Describe digestive system of calotes with diagram
(2) Give difference between poisonous and nonpoisonous Snake
- Que. 3 (A) Give the answer of following questions. (4)
(1) What is cleavage?
(2) Name hormones of Ovary
(3) What is Menopause?
(4) Define Embryology.
- Que. 3 (B) Write any one out of Two. (2)
(1) Explain types of eggs according to Yolk.
(2) Explain hormones of Testis.
- Que. 3 (C) Write any one out of Two. (3)
(1) Explain formation of urine.
(2) How renal functions are controlled?
- Que. 3 (D) Write any one out of Two. (5)
(1) Write short note on types of cleavage
(2) Draw Structure of nephron and explain in detail.
- Que. 4 (A) Give the answer of following questions. (4)
(1) What is Kappa particles?
(2) Mirabilis jalapa is studied for what?
(3) What is full form of PKU in terms of inborn errors?

- (4) Explain sex determination in humans in short.
- Que. 4 (B) Write any one out of Two. (2)
- (1) Describe types of chromosome.
- (2) Explain Karyotyping.
- Que. 4 (C) Write any one out of Two. (3)
- (1) Describe albinism.
- (2) Explain in detail: Cytoplasmic inheritance in Paramecium.
- Que. 4 (D) Write any one out of Two. (5)
- (1) Explain sex determination in drosophila.
- (2) Write short note on Sickle cell anemia
- Que. 5 (A) Give the answer of following questions. (4)
- (1) Bombay duck belongs to super class _____.
- (2) What is Speciation?
- (3) Name three vestigial organs
- (4) What is the function of circulatory system?
- Que. 5 (B) Write any one out of Two. (2)
- (1) Explain Isolation.
- (2) Compare Homologous and Analogous organs.
- Que. 5 (C) Write any one out of Two. (3)
- (1) Write short note on Pearl oyster.
- (2) Explain in short: Evolution of Aortic arch
- Que. 5 (D) Write any one out of Two. (5)
- (1) Describe in detail Evolution of Man.
- (2) Describe Prawn fishery in detail.
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