



RO-003-001534

Seat No. _____

B. Sc. (Sem. V) (CBCS) Examination

February - 2019

Zoology : Paper - 502

(Applied Zoology, Wildlife & Biotechnology)

Faculty Code : 003

Subject Code : 001534

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- Instructions :**
1. Draw neat and labeled diagram wherever necessary.
 2. Figures to the right side indicate full marks for the question.

- 1 Objective type question : 20**
1. Definition : Aquaculture.
 2. Describe inland fisheries.
 3. Any two names of zooplanktons for fish feeds.
 4. Define : Artificial drying.
 5. Define : Fish caviar
 6. The fish flesh having a pH _____ in living condition provide suitable place for growth and multiplication.
 7. Scientific name : Cabbage butterfly
 8. Classify : Silk worm.
 9. In which type of fishes, diseases Argulus mainly affect?
 10. Name the different types of salting methods used for preservation of fish.
 11. Full form of CITES.
 12. Define endemic species.

13. Definition : Hotspot of biodiversity.
14. Explain term Sanctuary.
15. Explain : in-situ conversation.
16. Define : Any two national parks name.
17. Explain vector.
18. Give the concept of biotechnology.
19. What is palindromic sequence ?
20. Define : Wild life.

- 2 (A) Answer any three out of six : **6**
1. Give causes of fish spoilage.
 2. Describe selection of breeders in artificial breeding.
 3. Types of silk worm.
 4. Write note on WWF.
 5. Brief explain Fish feed.
 6. Explain : Classification of Brinjal fruit and shoot borer
- (B) Answer any three out of six : **9**
1. Give brief note on dropsy.
 2. Short note on Costiasis.
 3. Life cycle of mango hoppers.
 4. Explain Importance of wild life conversations.
 5. Organisms used m biotechnology.
 6. Note on Keystone species.
- (C) Answer any two out of five : **10**
1. Short note on any two fish feed.
 2. Give detail note on various methods of fish preservation.
 3. Explain : Cabbage butter fly.
 4. Explain : Dachigam Sanctuaries.
 - 5 Explain Importance of biotechnology.

- 3** (A) Answer any three out of six : **6**
1. Note on minerals in fish nutrition.
 2. Short note on fungus infection of fish.
 3. Economic importance of sericulture.
 4. Describe : Waterer in poultry house
 5. Carbohydrate as food nutrition.
 6. Describe: Ex-situ conservation
- (B) Answer any three out of six : **9**
1. Role of aquaculture in fisheries management.
 2. Wild life protection act 1972.
 3. Short note on fish pond.
 4. Describe : Poultry houses
 5. Explain : Methods of post harvesting techniques in fisheries.
 6. Describe : Kaziranga National park.
- (C) Answer any two out of five : **10**
1. Explain : Induced breeding.
 2. Causes of wild life. Depletion.
 3. Explain : Rearing of silk worm.
 4. Difference between sanctuaries and national parks.
 5. Explain: Biotechnology in pharmaceutical industries.
-