



JW-003-001534

Seat No. _____

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

October - 2019

Zoology : Z - 502

(Applied Zoology, Wild Life Biotechnology)

(Old Course)

Faculty Code : 003

Subject Code : 001534

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

[Total Marks : 70

- Instructions :**
- (1) Illustrate your answers with neat and labelled diagrams.
 - (2) Figure on the right side show full marks of the questions.

1 Answers in short : **20**

- (1) Full form of WWF.
- (2) Approx how many percentages of lipids are added in diet of fish ?
- (3) Which gas is produced from biogas ?
- (4) Eggs are rich source of _____ and _____.
- (5) What is Induced breeding ?
- (6) What is stifling in sericulture ?
- (7) Isinglass is obtained from which gland in fishes ?
- (8) Which national park is famous for one horned rhino in India ?

- (9) Which organism is used in alcoholic beverages ?
- (10) Define - wildlife.
- (11) What is the local name of silk moth in Hindi ?
- (12) Give name of mammalian fauna of Jim Corbet national park.
- (13) Argulus caused by which disease in fishes ?
- (14) Define – Biotechnology
- (15) Only name of egg products.
- (16) What is the life span of adult brinjal fruit and shoot borer ?
- (17) Function of Brooder.
- (18) In Pearl fishes which organic compound is present in their epidermis ?
- (19) What is cold drying ?
- (20) Give the names of host plants of Mango stem borer.

2 (a) Write any three out of six :

6

- (1) Advantages of formulated food
- (2) Marine National park
- (3) Inland fisheries
- (4) CITES
- (5) Symptoms and treatment of whit spot diseases.
- (6) Nursing pond

(b) Write any three out of six : 9

- (1) Chemical factors affecting fish farm
- (2) Fungus diseases in fish
- (3) Scope of biotechnology
- (4) Damage and control of Mongo hopper.
- (5) Fish liver and body oil
- (6) Kanha National park

(c) Write any two out of five : 10

- (1) Cabbage butterfly
- (2) Nutrition in fish.
- (3) Role of publicity and education in conservation.
- (4) Poultry products.
- (5) Uses of biotechnology in pharmaceutical industries

3 (a) Write any three out of six : **6**

- (1) Khijadiya bird sanctuary
- (2) Difference between National park and Sanctuary.
- (3) Gill rot
- (4) Red data book
- (5) Rearing of silkworm
- (6) By- products of poultry

(b) Write any three out of six : **9**

- (1) Physical factors affecting in fish farm
- (2) Dropsy
- (3) Gir Sanctuary
- (4) Wildlife protection act – 1972
- (5) Smoking and canning fish preservation method
- (6) Rearing pond

(c) Write any two out of five : **10**

- (1) History of aquaculture
 - (2) Causes of wildlife depletion and conservation
 - (3) Induced breeding
 - (4) Organism used in biotechnology
 - (5) Life cycle of silk moth.
-