



MCQ-003-001534 Seat No. _____

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

May / June - 2018

Z - 502 : Zoology

(Applied Zoology, Wild Life & Boi. Tech.)

(New Course)

Faculty Code : 003

Subject Code : 001534

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

[Total Marks : 70

- Instructions :** (1) Illustrate your answers with neat and labeled diagrams.
(2) Figures to the right side indicate full marks of question.

- 1 Give the answer of following questions : **20**
- (1) Define: Biotechnology.
 - (2) During growth, larva of silk worm molts _____ times.
 - (3) Give the name of endocrine gland involve in induce breeding.
 - (4) Give the name of major poultry- products.
 - (5) What meant by Entomology ?
 - (6) Which is the host plant of mango hoppers?
 - (7) What meant for fish-by-product?
 - (8) Give the' name of stage of silk worm life cycle gives silk thread.
 - (9) Give difference between Sanctuaries and National park.
 - (10) Salting method is use _____ to preserve fish.
 - (11) Define : Sericulture.

- (12) Which crustacean is cause disease in fish?
- (13) Give the mammalian fauna at marine national park.
- (14) Give full form of CITES.
- (15) Give name of Chemical factor affecting fish farm.
- (16) What meant for ichthyology?
- (17) Define : post harvesting technique.
- (18) Approximately how many percentage of protein is needed in fish meal?
- (19) Define : Inland fisheries.
- (20) In deep freezing have fishes at _____ temperature.

- 2** (A) Write any **three** out of six : **6**
- (1) Symptoms of dropsy disease in fish
 - (2) Damage and treatment due to the mango hopper.
 - (3) Formation of cocoon in silk worm.
 - (4) Fauna of Gir National Park and Sanctuary.
 - (5) WWF as a Wild life agency.
 - (6) Biological factors affecting fish farm. (Any two)
- (B) Write any **three** out of six : **9**
- (1) Importance of Biotechnology
 - (2) Isinglass and fish leather as a fish by product.
 - (3) Causes of wild life depletion
 - (4) Damage and treatment of mango stem borer
 - (5) Hatching pond
 - (6) Deep Freezing as a fish preservation method
- (C) Write any **two** out of five : **10**
- (1) Induce breeding
 - (2) Life cycle of silk worm
 - (3) Role of publicity and education in conservation
 - (4) Costiasis and argulus as a fish diseases
 - (5) Nursery and rearing pond

- 3** (A) Write any **three** out of six : **6**
- (1) Physical factors affecting fish pond : (Any two)
 - (2) Give only names of organism use in biotechnological techniques : (Any two)
 - (3) Symptoms and treatment of fungal disease
 - (4) Fish Glue and Fish manure as a fish by product.
 - (5) Rearing of silkworm
 - (6) Stoking pond
- (B) Write any **three** out of six : **9**
- (1) Formulated feed for fish
 - (2) Damage and treatment of brinjal shoot and fruit borer
 - (3) Explain Conservation.
 - (4) Inland fisheries
 - (5) Describe canning as a fish preservation method.
 - (6) Fish oil as a fish-by-product
- (C) Write any two out of five : **10**
- (1) Explain National Park of India. (Any two)
 - (2) Describe drying and smoking technique as a post harvesting technique.
 - (3) Whit spot and Gil rot as a fish disease.
 - (4) Chemical factors affecting fish farm (Any five)
 - (5) Biotechnology in pharmaceutical industries.
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