

B.Sc. Semester - 5 (Remedial) (CBCS) Examination
March/April-2023(Old Course)
FISHERIES BIOLOGY, ANIMAL HUSBANDRY, WILD LIFE,
BIOTECHNOLOGY, TOXICOLOGY (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) Answer the following question (Write any one out of two) (07)

1. Describe the process of Hypophysation Inland Fisheries.
2. Describe fish by product.

Que. 1 B) Answer the following question (Write any one out of two) (04)

1. Write a short note on diseases caused by Fungus in Aquaculture.
2. Describe various pond in Inland fisheries.

Que. 1 C) Answer the following question (Write any three out of five) (03)

1. Write any two advantages of Formulated food.
2. Give the name of fish preservation method by increasing in Temperature.
3. Which micro organism is responsible for White spot disease in fish?
4. Give the name of physical factor that affecting in aquaculture practices.
5. Which zoo planktons are used as a live food in inland fisheries?

Que. 2 A) Answer the following question (Write any one out of two) (07)

1. With the help of diagram explain the modern method of Apiculture
2. Describe the process of rearing silkworm in grainage industry.

Que. 2 B) Answer the following question (Write any one out of two) (04)

1. Write a short note on the life history of *Bombyx mori*.
2. Write a short note on enemies of honey bees.

Que. 2 C) Answer the following question (Write any three out of five) (03)

1. Location where bees are kept is called as_____.
2. Term used for existence of several forms with separate functions in a species.
3. The most suitable and commercially used bee hive is_____.
4. The race of silkworm by which two crops are taken in one year.
5. Pebrine disease in silkworm is caused by a nematode member. True / False.

Que. 3 A) Answer the following question (Write any one out of two) (07)

1. Describe In Situ and Ex Situ conservation.
2. Describe Kaziranga and Ranthambhor National Park.

Que. 3 B) Answer the following question (Write any one out of two) (04)

1. Explain Key Stone Species.
2. Write a short note on WWF.

Que. 3 C) Answer the following question (Write any three out of five) (03)

1. Name any two Biodiversity Hotspots located in India.
2. Name any two Endemic Reptiles of India.
3. Give the Full form of CITES.
4. Which is the prime animal of Chilka Lake Sanctuary?
5. Give the location of Dachigam Sanctuary.

- Que. 4 A) Answer the following question (Write any one out of two)** (07)
1. Describe the modification system in Restriction enzymes.
 2. Explain the process of gene cloning.
- Que. 4 B) Answer the following question (Write any one out of two)** (04)
1. Draw and label pBR322
 2. Draw and label YAC vector.
- Que. 4 C) Answer the following question (Write any three out of five)** (03)
1. Vector is an agent which carries DNA segment in _____ cell.
 2. *pBR322* is an example of _____ type of vector.
 3. Paul Berg is father of _____.
 4. Dolly sheep was the first successful mammal to be cloned by _____ nuclear transfer.
 5. Endonucleases are commonly known as Restriction enzymes. True/ False.
- Que. 5 A) Answer the following question (Write any one out of two)** (07)
1. Classify toxicants giving suitable examples.
 2. Define metal toxicity and explain Arsenic toxicity.
- Que. 5 B) Answer the following question (Write any one out of two)** (04)
1. Write a short note on the toxicokinetics process.
 2. Write short note on dose response relationship.
- Que. 5 C) Answer the following question (Write any three out of five)** (03)
1. Give any one reason for bioaccumulation of toxicant.
 2. What is lethal dose 50.
 3. When toxicant effect particular organ only the type of toxicity is known as _____ specific toxic effects.
 4. Define lordosis.
 5. Palmar plantar keratosis is observed in Fluoride toxicity. True/False.
