

[Time: Three Hours]

[ Marks: 100]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Draw neat labelled diagrams wherever necessary.

Q.1 A. Fill in the blanks by choosing the correct option given in the bracket. 05

- Efforts by Dr. Varghese Kurien led to information of \_\_\_\_\_.  
(NBA, AMUL, WWF)
- In midwife toad the \_\_\_\_\_ carries eggs on its back.  
(Male, Female, both male and female)
- \_\_\_\_\_ has two rows of long eye lashes to protect from the hot sun.  
(Lizard, Phrynosoma, Camel)
- Green Revolution was master minded by \_\_\_\_\_.  
(Dr. Varghese Kurien, Dr. Hargobind Khorana, Dr. M S. Swaminathan)
- In situ conservation of forest is achieved by the co-operation of \_\_\_\_\_.  
(BNHS, IUCN, CBD)

Q.1 B. Match the columns I and II and rewrite. 05

- | I                    | II               |
|----------------------|------------------|
| a) Darwin's frog     | i) Dr. Salim Ali |
| b) Penicillium       | ii) Rhinoderma   |
| c) Pinctada          | iii) Australia   |
| d) Barrier reef      | iv) Antibiotics  |
| e) Fall of a sparrow | v) Gulf of Kutch |

Q.1 C. State whether **True** or **False**. 05

- UNED is a programme to resolve problems of threatened species and habitat.
- Malabar giant squirrel is endemic to Western Ghats.
- Lok Biradari Prakalp project was undertaken by Anna Hajare.
- Pearl is formed by the secretion of mantle tissue.
- Man with a billion litre idea was of Baba Amte.

Q.1 D. Answer in **one** sentence only. 05

- Define Echolocation
- Define Latitudinal migration
- Give full form of CITES
- Who was the Milk man of India?
- Define Ovoviviparity

Q.2 A. Describe various types of migration. 10

**OR**

A How does camel adapt to desert environment?

Q.2 B. Write short notes on **any two**. 10

- Pearl formation in Mollusca
- Mechanism of bioluminescence
- Parental care in Tilapia
- Formation of coral reefs

Q.3 A. Explain the threats to biodiversity.

10

OR

A Enumerate direct and indirect values of biodiversity.

Q.3 B. Write short notes on **any two**.

10

- Specific biodiversity
- In-situ conservation strategies
- Indo-Burma hot spot
- Pollution a cause for loss of habitat

Q.4 Answer **any two** of the following.

20

- Describe Amul White Revolution
- Give an account on the contribution made by Dr. Salim Ali in the field of ornithology.
- Explain the project 'Anandwan'.
- Describe the establishment of Biocon.

Q.5 Write short note on **any four**.

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- Batesian mimicry
- Noctiluca and angler fish
- Man-wildlife conflict
- Animal Translocation and Zoological garden
- Gadre Marine Export Products
- National Biodiversity Action Plan

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