

Q.P. Code : 00028

[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 and **labelled diagrams** wherever necessary.

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

05

- a) _____ build snares made up of silk fibers coated with mucus.
(Glow Worm/Firefly/Noctiluca)
- b) Rufous humming birds follows a _____ type of migration.
(Altitudinal/Loop/Longitudinal)
- c) The word 'Biodiversity' was coined by _____ in 1985.
(Shapiro/Wilson/W.G.Rosen)
- d) The Earth Summit was held in June 1992 at the Rio de Janeiro in _____
(Brazil/India/U.S.A)

Q. 1 B. Match the columns I & II and rewrite :

05

- | I | II |
|--------------------------------|-------------------------|
| a) <i>Pinctada vulqaris</i> | i) White Revolution |
| b) Anamalai Wildlife sanctuary | ii) Tamil Nadu |
| c) Sunderban National Park | iii) Water Conservation |
| d) Dr.Varghese Kurian | iv) West Bengal |
| e) Anna Hazare | v) Pearl formation |

Q. 1 C. State whether True of False.

05

- a) The female of Great Egg fly is the Batesian mimic of the distasteful common crow.
- b) In Sea horse parental care is exhibited by the female.
- c) Cryopreservation is conservation at low temperature in liquid nitrogen.
- d) Dr.Salim Ali was a renowned ornithologist of India.
- e) Ashokwan is a center for rehabilitation of Leprosy patients

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Q. 1 D. Answer in **one** Sentence only.

05

- What is Echolocation?
- What is Autotomy?
- Define the term Endemism.
- Write the full form of CITES?
- Who established Biocon in 1978 at Bangalore?

Q.2 A. Describe Parental care and breeding in Pisces and Amphibians with one example each.

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OR

A. What is Regeneration? Explain with any two examples.

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Q. 2 B. Write Short notes on **any two**:

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- Advantages and disadvantages of migration.
- Mechanism of Bioluminescence.
- Types of Coral reef
- Desert adaptations in Camel.

Q.3 A. Give an account of therats to biodiversity.

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OR

A. What is Biodiversity hotspot? Describe the prominent features of Indo-Burma hotspot.

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

10

- Convention on Biological Diversity.
- In-situ Conservation.
- Indirect use value of biodiversity.
- Man Wildlife conflict.

Q.4 Answer **any two** of The Following

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- Describe the life sketch of Dr.Varghese Kurian.
- Give an account of work and achievements of Anna Hazare.
- Describe the life sketch and achievements of Baba Amte.
- Elaborate on Gadre fishery and its Surimi based value added products.

Q.5 Write short notes **any four**

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- Types of migration in bird.
- National biodiversity action plan.
- Significance of national park in conservation.
- Awards won by Dr. Hargobind Khorana.
- Lok Biradari Praklap.

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