

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 |
| d) Anna Hazare | v) Pearl formation |

Q. 1 C. State whether True of False.

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- 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. 10
- OR**
- A. What is Regeneration? Explain with any two examples. 10
- Q. 2 B. Write Short notes on **any two**: 10
- 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. 10
- OR**
- A. What is Biodiversity hotspot? Describe the prominent features of Indo-Burma hotspot. 10
- 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 20
- 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** 20
- 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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