

[Time: 03 Hours.]

[Marks: 100]

Please check whether you have got the right question paper.

N.B: 1. All questions are compulsory and carry equal marks.

2. Figures to the right indicate full marks.

3. Draw neat and labelled diagrams wherever necessary.

4. Answer the questions in proper order.

Q.1 Describe **any two** of the following: 20

- a) Mineral resources
- b) Ice-stupa artificial glaciers by Sonam Wangchuk
- c) Environmental Protection Act 1986.

Q.2 Explain **any two** of the following: 20

- a) Techniques and methods used for wild life census.
- b) Types of habitat and territories of wild animals.
- c) Forest Policy 1988

Q.3 Describe **any two** of the following: 20

- a) Traditional and modern bioprospecting.
- b) Mechanism of self-medication through ingestion in animals.
- c) Contribution of zoopharmacognosy to human medicines.

Q.4 Give an account on **any two** of the following: 20

- a) Plate tectonic theory
- b) Continuous and discontinuous patterns of animal distribution
- c) Palearctic zoogeographical realm

Q.5 Write short notes on: (Any Four): 20

- a) Tidal energy
 - b) Effect of tourism on wildlife
 - c) Economic value of bioprospecting
 - d) **Any two** climatic barriers to animal distribution
 - e) Social and trans-generational aspects of zoopharmacognosy in insects.
 - f) Fauna of Oriental realm
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