2018

CBCS

1st Semester

ZOOLOGY

PAPER-C2T

(Honours)

Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer all questions

Ecology

- 1. Answer any five questions from the following: 5×2
 - (a) What do you mean by primary and secondary Succession?
- (b) What is sere?
 - (c) State Gause's Principle.

- (d) What do you mean by species abundance and species richness.
- (e) Define in-situ conservation with examples.
- (f) Distinguish between habitat and niche.
- (g) Write the scientific name of two bacteria which are involved in nitrogen fixation.
- (h) How many trophic levels are there in a food chain?
- 2. Answer any four questions:

- 4×5
- (a) Define ecotone. Mention the characteristic features of an ecotone. •2+3
- (b) Write a note on wildlife Protection Act (1972). 5
- (c) What is the difference between in-situ and ex-situ conservation? Discuss with examples. 3+2
- (d) Define life table. Which data initiate the construction of a life table? State the importance of life table. What do you mean by population explosion? 1+1+2+1

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