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(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2024**

(CBCSS)

Zoology

ZOL 1C 03—ECOLOGY AND ETHOLOGY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any *four* questions. Each question carries 2 weightage :

- 1 Facultative mutualism.
- 2 Climax community.
- 3 Remote sensing methods.
- 4 Fundamental niche and realized niche.
- 5 Resource partitioning.
- 6 Kin selection.
- 7 Imprinting.

(4 × 2 = 8 weightage)

II. Answer any *four* questions. Each question carries 3 weightage :

- 8 National River Linking Project.
- 9 Life tables and survivorship curve.
- 10 Biosphere reserves.
- 11 Predator satiation.
- 12 Anthropogenic effects on sulphur cycling.
- 13 Neural basis of learning.
- 14 Innate releasing mechanism.

(4 × 3 = 12 weightage)

Turn over

III. Answer any *two* questions. Each question carries 5 weightage :

- 15 Write an essay on terrestrial biome.
- 16 Explain the characteristics of a population.
- 17 Discuss on the effects of hormones on different behavioural patterns.
- 18 Write an essay on social behaviour of termites.

(2 × 5 = 10)