

D 52855

(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2023**

(CBCSS)

Zoology

ZOL 1C 03—ECOLOGY AND ETHOLOGY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any *four* of the following (Short Answer type questions) (Weightage : 2)

- 1 Define Spatial or habitat niche.
- 2 What are the factors that limit population size ?
- 3 Define desert ecosystem and its types.
- 4 What is Green building technology ?
- 5 What are the three general mating system ?
- 6 What does altruism means ?
- 7 What cause maternal behaviour ?

(4 × 2 = 8 weightage)

II. Answer any 4 of the following (Short essay type questions) (Weightage : 3) :

- 8 Differentiate Habitat and Niche.
- 9 What causes Ecotones ? Give some examples of Ecotones.
- 10 What is Carbon credit ? Mention any *five* countries that generate Carbon credit.
- 11 What are the reasons for loss of Biodiversity ?
- 12 Explain life cycle of guppy. Draw and label the parts of guppy.

Turn over

- 13 Explain cognitive process.
14. Write some symptoms of Hormonal imbalance.

(4 × 3 = 12)

III. Answer any *two* of the following (Long essay type questions) (Weightage : 5) :

- 15 Explain Nitrogen cycle in detail.
- 16 Explain in detail about the ecological succession with its types.
- 17 Describe Innate Releasing Mechanism with example and problems associated mechanism.
- 18 Describe Reflex action and its process.

(2 × 5 = 10)