

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Enumerate the methods of measurement of density.

Or

- (b) Examine the biological effects of light.

17. (a) Explain the Nitrogen cycle.

Or

- (b) Discuss the types of competition.

18. (a) Illustrate the patterns of ecological succession.

Or

- (b) Examine an adaptations found in desert animals.

19. (a) Evaluate the causes and effects of pesticide pollution.

Or

- (b) Illustrate the causes, effect of thermal pollution.

20. (a) Evaluate an endangered species and its conservation.

Or

- (b) Give an account on sanctuaries and national parks in Tamil Nadu.

Reg. No. :

Code No. : 30574 E Sub. Code : CMZO 54

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2023.

Fifth Semester

Zoology — Core

ECOLOGY

(For those who joined in July 2021–2022)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Choose the mother of life

(a) air (b) soil

(c) water (d) gas

2. Tell the name of sequence of eaters being eaten is

(a) food chain (b) food web

(c) trophic level (d) mortality

3. Select the following which is related with living together
- (a) parasites (b) host
(c) predator (d) mutualism
4. Choose the sedimentary cycle from the following
- (a) carbon (b) nitrogen
(c) phosphorus (d) oxygen
5. The meeting place of two adjacent communities are called _____
- (a) niche (b) ecotone
(c) joints (d) species
6. Identify the respiratory roots of Mangroves
- (a) pneumatophore (b) succulent stem
(c) prop root (d) tilt root
7. Name the upper, light zone of the Marine is _____
- (a) disphotic zone (b) euphotic zone
(c) aphotic zone (d) symptotic
8. Name the biocides which is used to control the fungi are called
- (a) herbicides (b) fungicides
(c) rodenticides (d) pisicides
9. The sanctuary situated in Tanjavore is
- (a) Bandipur (b) Point calimer
(c) Mudumalai (d) Periyar

10. The wildlife protection act was enacted on _____
- (a) 1972 (b) 1982
(c) 1992 (d) 1962

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing by (a) or (b).

Each answer should not exceed 250 words.

11. (a) Differentiate mortality and natality.
Or
(b) State the food web in an ecosystem.
12. (a) Explain the commensalism.
Or
(b) Elaborate the carbon cycle.
13. (a) Discuss the negative impact of constructing dams.
Or
(b) Elaborate the different zonation of pond.
14. (a) Explain the effects of plastic wastes.
Or
(b) Elaborate the effect of noise pollution.
15. (a) Summarize the effects of deforestation.
Or
(b) Estimate causes and loss of biodiversity.

