



K24U 1773

Reg. No. : .....

Name : .....

**Second Semester B.Sc. Degree (CBCSS – Supplementary/One Time  
Mercy Chance) Examination, April 2024  
(2014 – 2018 Admissions)  
CORE COURSE IN FORESTRY  
2B02FOR – Forest Ecology, Biodiversity and Conservation Biology**

Time : 3 Hours

Max. Marks : 40

**SECTION – A**

1. Choose the correct answer. (8×0.5=4)

- a) The species seen in ecotone region is called as \_\_\_\_\_. (Keystone species, Island species, Endemic species, Edge species)
- b) Father of plant successional theory \_\_\_\_\_. (Clements, Eugene Odum, Ernst Haeckel, None of the above)
- c) \_\_\_\_\_ is an example for negative interaction between any two given populations. (Commensalism, Parasitism, Mutualism, None of the above)
- d) Wildlife sanctuary is the best example for \_\_\_\_\_ type of conservation. (In-situ conservation, Ex-situ conservation, Environmental conservation, None of the above)

2. Fill in the blanks.

- a) In pyramid of number \_\_\_\_\_ ecosystem is best example of inverted pyramid.
- b) Kyoto protocol relates to \_\_\_\_\_
- c) Father of ecology \_\_\_\_\_
- d) \_\_\_\_\_ are those that are restricted to a geographical area and do not occur naturally in any other part of the world.

P.T.O.



## SECTION – B

Write short notes on **any seven** of the following questions.

(7×2=14)

3. Carrying capacity.
4. Inverted food pyramid.
5. Ecological succession.
6. Net primary productivity of an ecosystem.
7. Biological magnification.
8. Peoples Biodiversity Register.
9. Project tiger.
10. Ecological niche.
11. Endemic species.
12. Ecological pyramids.

## SECTION – C

Answer **any four** of the following questions.

(4×3=12)

13. Differentiate between pioneer species and climax species.
14. Biological Diversity Act, 2002.
15. Difference between wildlife sanctuaries and national parks.
16. What is Intellectual Property Right ? What are the categories ?
17. Ex-situ and In-situ methods of conservation.
18. Elaborate different successional theories.

## SECTION – D

Write an essay on **any two** of the following questions.

(2×5=10)

19. List and write the characteristics of the major ecosystem types of India.
20. Geographical Indication (GI) products from Kerala.
21. What is trophic level ? Explain different types of pyramid.
22. Salient features of Biological Diversity Act, 2002. Explain the three-tier structure to regulate the access to biological resources.