

D2AZL1902 (S1)

Reg.No.....

Name.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021

(Improvement/Supplementary/Special)

ZOOLOGY

FZOL2CO5: ECOLOGY & ETHOLOGY

Time: 3 Hours

Maximum Weightage: 30

Part: A Answer any four questions. Each question carries 2 weightage.

1. Fundamental and realized niche.
2. Primary production.
3. Survivorship curve
4. Edge effect.
5. Habitat corridors.
6. Navigation.
7. Inclusive fitness.

(4 x 2 = 8 Weightage)

Part: B Answer any four questions. Each question carries 3 weightage.

8. Nitrogen fixation.
9. Characteristics of population.
10. Mutualism and Protoco-operation.
11. Alpha diversity indices.
12. Mating system in animals.
13. Benefits and demerits of interlinking of rivers
14. JP Scott's categories of behaviour.

(4 x 3 = 12 Weightage)

Part: C Answer any two questions. Each question carries 5 weightage.

15. Give an account on any five types of terrestrial biome.
16. Write an essay on social behaviour of termites.
17. Give a detailed account on mineral cycling.
18. Explain ecological succession with example.

(2 x 5 = 10 Weightage)