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K23U 0470

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, April 2023
(2019 and 2020 Admissions)

CORE COURSE IN BOTANY/PLANT SCIENCE

6B10BOT/PLS : Environmental Science and Phytogeography

Time : 3 Hours

Max. Marks : 40

Instruction : Draw diagrams wherever specified.

PART – A

(Objective Type Questions)

Answer all.

(4×1=4)

1. Wet land day is celebrated on
a) March 2
b) January 2
c) February 2
d) April 2
2. Chiropterophily refers to pollination by
a) Birds
b) Bats
c) Animals
d) Insects
3. Which of the following is a total stem parasite ?
a) *Striga*
b) *Cuscuta*
c) *Vanda*
d) *Loranthus*
4. Which of the following is a Ramsar site ?
a) Sasthamkotta lake
b) Mahe river
c) Pampa river
d) Periyar

PART – B

(Short Essay Questions)

Answer any eight.

(8×2=16)

5. Distinguish between autecology and synecology.
6. Write brief notes on food chain.

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7. Comment on biogeochemical cycles.
8. Explain ecological niche.
9. What are hot-spots of diversity ?
10. Write notes on sustainable development.
11. Define phytogeography.
12. Explain ecotone and edge effect.
13. What are halophytes ? Give example.
14. Comment on decomposers and their role.
15. Explain phytoremediation.
16. What are xerophytes ? Give example.

PART – C

(Essay Questions)

Answer any four.

(4×3=12)

17. Comment on ecological pyramids.
18. Write short notes on importance value index (IVI).
19. Explain the role of sacred groves in biodiversity conservation.
20. What is social forestry ? Mention its role.
21. Write a brief account on Chipko movement.
22. Distinguish between primary and secondary productivity.

PART – D

(Long Essay Questions)

Answer any one.

(1×8=8)

23. Give a detailed account on air pollution, its causes, impacts and control measures.
24. Explain the structure and functioning of ecosystem.
25. Write an account on biodiversity and methods of conservation.