



K22U 0370

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS – OBE – Regular) Examination, April 2022
(2019 Admission)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. The pyramid of energy is
 - a) Always erect
 - b) Always inverted
 - c) Erect or inverted
 - d) None
2. Deforestation reduces the chance
 - a) Rain fall
 - b) Frequent cyclones
 - c) Soil erosion
 - d) Land slides
3. Trophic levels are formed by
 - a) Only plants
 - b) Only animals
 - c) Only carnivores
 - d) Organism linked to food chain
4. Lichens are important in the study of atmosphere pollution because they
 - a) Can grow well in polluted atmosphere
 - b) Can purify the atmosphere
 - c) Are sensitive to pollutant
 - d) None of these

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K22U 0370

-2-



PART – B

Short essay questions. Answer any eight. (8×2=16)

5. What is chiropterophily ?
6. Describe the Ozone layer depletion.
7. How watershed management is done ?
8. Briefly explain the energy flow in Ecosystem.
9. Comment on remote sensing.
10. What are the disaster management strategies used in forest fire ?
11. Explain PBR.
12. Distinguish between habitat and niche.
13. List out the effect of air pollution.
14. Write on eutrophication.
15. What are the adaptations of xerophytes ?
16. Explain the values of biodiversity.

PART – C

Essay questions. Answer any four. (4×3=12)

17. What is a food web ? Why should there be food webs rather than food chains in nature ?
18. Write a note on the different types of succession.
19. Bring out the role of individuals and organization in conservation of natural resources.



-3-

K22U 0370

20. Distinguish between autecology and synecology.
21. Write notes on vegetational types of India.
22. Distinguish between *in-situ* conservation and *ex-situ* conservation.

PART – D

Long essay questions. Answer any one. (1×8=8)

23. Give an account of causes, sources and control measures of water pollution.
24. Define ecosystem. Explain the structure and functioning of an ecosystem.
25. Write an account on the phytogeographic regions of India.