



K16U 2485

Reg. No. :

Name :

I Semester B.Sc. Degree (C.C.S.S. – Reg./Supple./Improv.)
Examination, November 2016
CORE COURSE IN BOTANY/PLANT SCIENCE
1B01BOT/PLS : Environmental Science and Phytogeography
(2014 Admn. Onwards)

Time : 3 Hours

Total Marks : 40

SECTION – A

Answer all.

1. A biotic factor
 - a) Precipitation
 - b) Salinity
 - c) Temperature
 - d) Flora
2. Sunderbans are in
 - a) Kerala
 - b) Karnataka
 - c) UP
 - d) West Bengal
3. Endosulphan is a
 - a) Fertiliser
 - b) Pesticide
 - c) Weedicide
 - d) Herbicide
4. World Forest Day
 - a) March 23rd
 - b) June 5th
 - c) March 21st
 - d) June 11th

(4×1=4)

SECTION – B

Answer any eight.

5. What do you mean by greenhouse effect ? Name the greenhouse gases.
6. What is meant by phytoremediation ?
7. How do succulent plants adapt to live in xeric situations ?
8. Write short notes on wildlife sanctuaries.

P.T.O.



9. Give an account on Chipko movement.
10. Differentiate between descriptive and dynamic phytogeography.
11. Discuss the significance of the Red Data Book.
12. What is the impact of population explosion ?
13. Write notes on acid rain and its consequences.
14. What do you know about Kyoto Protocol ?
15. Write notes on the influence of the various climatic factors on vegetation.
16. Explain endemism. (8×2=16)

SECTION – C

Answer **any four**.

17. Briefly explain the succession stages in a watery habitat.
18. Write an account on ecological pyramids.
19. What do you know about the Bhopal Gas Tragedy ?
20. What is watershed management ? Explain its objectives.
21. Discuss the causes and impact of noise pollution.
22. Write how energy flows through the ecosystem with the help of a simplified energy flow diagram. (4×3=12)

SECTION – D

Answer **any one**.

23. What is sustainable development ? Discuss the causes that lead to the depletion of natural resources.
 24. Man should resort to sustainable use of water and energy resources for posterity. Discuss.
 25. Write briefly on the gaseous, hydrological and sedimentary cycling of matter in the ecosystem. (1×8=8)
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