



M 7835

Reg. No. :

Name :

I Semester B.Sc. Degree (CCSS – Regular) Examination, November 2014
(2014 Admn.)

CORE COURSE IN BOTANY/PLANT SCIENCE
1B01 BOT/PLS : Environmental Science and Phytogeography

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer **all**.

1. A greenhouse gas
a) ethylene b) water vapour c) methane d) hydrogen
2. Mangroves have
a) breathing roots b) leaf pitchers
c) aerial branches d) underground stems
3. Opuntia is
a) an epiphyte b) a parasite c) a xerophyte d) halophyte
4. World Environment Day
a) June 5th b) June 11th
c) March 30th d) None of the above (4×1=4)

SECTION – B

Answer **any eight**.

5. Write on the causes of land degradation.
6. What are ecological indicators ?
7. Explain the concept of ecotype, ecad and ecospecies.
8. Write what you know edaphic factors.
9. Write notes on hotspot.

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10. Explain agroforestry.
11. What is GPS ?
12. Write an account on water cycle.
13. The economy of the country would be sound if forests are well managed. Discuss.
14. What do you know about global warming ?
15. What is meant by Red Data Book ? Explain its significance.
16. Give any five adaptations seen in hydrophytes. (8×2=16)

SECTION – C

Answer **any four**.

17. With the help of simplified diagram explain how energy flows through the ecosystem.
18. Write a note on the Rio Earth Summit.
19. What are the major threats to biodiversity ?
20. Explain the impact of overpopulation.
21. What do you know about earth hour ?
22. Give the role of an individual in the prevention of pollution. (4×3=12)

SECTION – D

Answer **any one**.

23. Discuss the strategies adopted for biodiversity conservation.
 24. Write in detail on the vegetation types of India.
 25. Write an essay on the growing energy needs and discuss the renewable and non renewable sources bringing out their merits and demerits. (1×8=8)
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