K15U 0571

Reg. No. : .....

Name : .....

I Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.) Examination, November 2015

CORE COURSE IN BOTANY/PLANT SCIENCE

1B01 BOT/PLS – Environmental Science and Phytogeography

(2014 Admn. Onwards)

Time : 3 Hours Total Marks : 40

SECTION – A

Answer **all**.

1. Minamata disease is associated with
   a) Mercury b) Lead
   c) Cadmium d) Arsenic

2. The Chipko Movement is led by
   a) Ernst Haekel b) Vandana Shiva
   c) Sundar Lal Bahuguna d) Arundhati Roy

3. Santalum album is a
   a) Partial stem parasite b) Total stem parasite
   c) Partial root parasite d) Total root parasite

4. Kyoto protocol is related to
   a) Soil pollution b) Greenhouse effect
   c) Ozone layer depletion d) Conservation of wildlife **(4×1=4)**

SECTION – B

Answer **any eight**.

5. What is the mainstay of the age and area theory ?
6. Which are the different types of hydrophytes ? Cite examples.
7. Explain the concept of food chain and food web.

P.T.O.

8. What is the significance of the ozone layer ? How does it get depleted ?
9. What are the objectives of social forestry ?
10. Differentiate between renewable and non renewable resources.
11. How can we conserve our valuable biodiversity ?
12. Give any five adaptations shown by halophytes.
13. What is role of an individual in the prevention of pollution ?
14. What is remote sensing ? Explain its advantages.
15. Explain ecological niche.
16. What is meant by sustainable development ? **(8×2=16)**

SECTION – C

Answer **any four** :

17. What is meant by continental drift ?
18. What is rain water harvesting ? State its advantages.
19. Explain earth hour.
20. What are the causes and consequences of radioactive pollution ?
21. Give an account on the components of the ecosystem.
22. What do you know about alternate sources of energy ? **(4×3=12)**

SECTION – D

Answer **any one** :

23. Write an essay on the vegetation types of India.
24. How does plant succession take place on a rocky habitat ?
25. What are our natural resources ? Explain the problems that lead to their depletion. **(1×8=8)**

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