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Reg. No. : .....

Name : .....



K19U 3169

I Semester B.Sc. Degree (CBCSS-Supplementary / Improvement)  
Examination, November - 2019  
(2014-2018 Admissions)

CORE COURSE IN BOTANY/ PLANT SCIENCE  
1BO1BOT/PLS- ENVIRONMENTAL SCIENCE AND PHYTOGEOGRAPHY

Time : 3 Hours

Max. Marks : 40

**SECTION - A**

Answer **All**.

(4x1=4)

1. Dioxin is produced by the burning of
  - a) Coal
  - b) Plastic
  - c) Cow dung
  - d) All
2. Pick out a true halophyte
  - a) Morinda
  - b) Rhizophora
  - c) Calophyllum
  - d) Cerbera
3. Select one endemic plant of India
  - a) Pepper
  - b) Cassava
  - c) Teak
  - d) Rubber
4. The First Earth Summit was held in
  - a) Kyoto
  - b) Johannesburg
  - c) Geneva
  - d) Rio de Janerio

**SECTION - B**

(Answer any **Eight**).

(8x2=16)

5. Write notes on levels of biodiversity.
6. Comment on biogeochemical cycles.

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7. Trophic levels of an ecosystem.
8. What are Parasites?
9. Write names of four National parks.
10. Comment on biological bore wells.
11. Write short notes on GPS.
12. Notes on Induced landslides.
13. What are 3R'S?
14. Write notes on centre of origin.
15. What is red data book?
16. Define phytogeography.

### SECTION - C

(Answer any **Four**).

(4x3=12)

17. Briefly explain ecological adaptation of Mangroves.
18. Write notes on Endosulfan episode of Kerala.
19. Write notes on desertification.
20. Briefly explain hotspots of biodiversity.
21. Explain ecological Niche.
22. Notes on continental drift .

### SECTION - D

(Answer any **One**).

(1x8=8)

23. Explain food chain and energy flow with suitable diagram.
24. Explain rainwater harvest and comment on its importance.
25. What do you mean by sustainable development and explain the roles of individuals for the sustainability.