E 3194 (Pages : 2) Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2016

Fifth Semester

Core Course—ENVIRONMENTAL STUDIES AND ECOTOURISM

(Common for B.Sc. Botany Model I, Model II)

[2013 Admission onwards]

Time : Three Hours Maximum : 60 Marks

Part A (Short Answer Questions)

Answer **all** *questions.*
Each question carries 1 *mark.*

1. What is food security ?
2. What is microclimate ?
3. What is ecotone ?
4. What is EFL ?
5. What is minamata disease ?
6. What is IPCC ?
7. Name an ecotourism centre in Kerala.
8. Mention the contributions of Anil Agarwal.

(8 × 1 = 8)

Part B (Brief Answer Questions)

Answer any **six** *questions.*
Each question carries 2 *marks.*

9. What are ecological foot prints ?
10. What is Forest Protection Act, 1980 ?
11. What are growth forms of an ecological community ?
12. List various types of air pollutants.
13. Differentiate between primary productivity and secondary productivity of an ecosystem.
14. List any *two* causes for biodiversity loss in India.

Turn over

15. What is climate change ? What is its significance ?

16. What is Agenda 21 ?

17. What is NEERI ?

18. 'Western Ghats is considered as hot spots in India'. Why ?

(6 × 2 = 12)

Part C (Problems/Derivations)

Answer any **four** *questions.*
Each question carriers 4 *marks.*

19. Comment on 'Homeostasis in ecosystem'.

20. Briefly describe role of NGOs in biological conservation.

21. Describe topographic factors affecting plant growth.

22. Explain various sources and impacts of nuclear hazards.

23. Write a short note on rainwater harvesting.

24. List positive and negative impacts of ecotourism.

(4 × 4 = 16)

Part D (Long Answer/Problem Questions)

Answer any **two** *questions.*
Each question carriers 12 *marks.*

25. With a schematic representation explain carbon cycle.

26. What are xerophytes ? Critically analyse various adaptations of xerophytes to its environment.

27. What are components of ecotourism ? Explain different forms and types of ecotourism in Kerala.

28. Give an account of causes and sources of soil pollution. Add a note on solid waste management.

(2 × 12 = 24)