



17. Biotic potential

18. Acid rain

19. UNCED

20. National parks

21. Extinction

22. Coir industry

23. Hot spots

(1+2=3)



Reg. No. : .....

Name : .....

I Semester M.A./M.Sc./M.Com. Degree (Reg./Sup./Imp.)

Examination, November 2014

(2014 Admn. – under CBSS)

**BOTANY****BOT 1C 04 : Environmental Science, Phytogeography and Forest Botany**

Time : 3 Hours

Max. Marks : 60

**Instruction : Draw diagrams wherever necessary.****SECTION – A**

1. a) Explain the structure and function of an ecosystem. Discuss the energy flow in that system.

OR

- b) Describe the strategies and different methods of in-situ conservation.

2. a) Discuss recent environmental issues with particular reference to specific case studies.

OR

- b) Give a detailed account on the Biogeographic zones of India. **(2×8=16)**

**SECTION – B**Answer **any two** :

3. a) What is ecosystem stability ?  
b) Explain the concepts.  
c) Add a note on ecological perturbations. **(1+2+3)**

P.T.O.



4. a) What is growth curve ?  
 b) How do you analyse population regulation ?  
 c) Describe the life history strategies. (1+2+3)
5. a) What are forest products ?  
 b) Write an account on major forest products of Kerala. (2+4)

(2×6=12)

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(7×2=14)

## SECTION – C

Answer any six :

6. What is ecosystem restoration ?  
 7. Explain the stages of xerarch succession.  
 8. Describe 3 R system of pollution.  
 9. Write a brief account on social forestry.  
 10. Discuss levels of diversity.  
 11. Explain endemism with examples.  
 12. Explain the theory of continental drift.  
 13. Write briefly on global warming. (6×3=18)

## SECTION – D

Answer any seven :

14. Ecological niche  
 15. Resource partitioning  
 16. Ecotones