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B.Sc. IV Semester Degree Examination, May/June - 2019

BOTANY

ECOLOGY AND ENVIRONMENTAL BIOLOGY (Paper-IV)

(CBCS Core) (New Syllabus) (2016-17 Syllabus)

Time : 3 Hours

Maximum Marks : 80

*Instruction to Candidates:*

- i) All parts are compulsory.
- ii) Draw labelled diagrams wherever necessary.

**PART - A**

**I.** Write brief notes on any **Ten** of the following:

(10×2=20)

1. Food web.
2. Sunken stomata.
3. In situ conservation.
4. Difference between Hygroscopic and capillary water.
5. Endangered plants.
6. Importance of forest.
7. Components of ecosystem.
8. Renewable resources.
9. Noise pollution.
10. National parks.
11. Non degradable pollutants.
12. Significance of Biodiversity.



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**PART - B**

**II.** Write short notes on any **Six** of the following:

(6×5=30)

13. Morphological adaptations in epiphytes.
14. Phyto geographical regions of Karnataka.
15. Causes of deforestation.
16. Effect of light on plants.
17. Conservation of soil.
18. Vivipary in Halophytes.
19. Pond ecosystems.
20. Social forestry.

**PART - C**

**III.** Answer any **Three** of the following:

(3×10=30)

21. Explain the morphological and anatomical adaptations found in Hydrophytes.
  22. Describe the causes, effects and controlling measures of air pollution.
  23. Write a note on ecological pyramids.
  24. Explain Hydrosere.
  25. Write a note on:
    - a) Types of Biodiversity
    - b) Soil Profile.
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