



Fourth Semester B.Sc. Degree Examination, May/June 2018
(CBCS Scheme – 2016 – 17) (New Syllabus)
BOTANY – IV
Ecology and Environmental Biology

Time : 3 Hours

Max. Marks : 80

PART – A

Write brief notes on **any ten** of the following.

(10× 2=20)

1. Food chain
2. Pneumatophores
3. Biodiversity
4. Heliophytes and sciophytes
5. Xerosere
6. BOD
7. Ex-situ conservation
8. Symbiosis
9. Afforestation
10. Acid rain
11. Global warming
12. Eutrophication.

PART – B

Write short notes on **any six** of the following.

(6× 5=30)

13. Endemic species
14. Ecological pyramids

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15. Anatomical adaptation in epiphytes
16. Social forestry
17. Climatic factors
18. Pond ecosystem
19. Epiphytes
20. Wild life.

PART – C

Answer **any three** of the following.

(3x 10=30)

21. Explain the causes, effects and control methods of air pollution.
 22. Explain the morphological and anatomical adaptations of hydrophytes with examples.
 23. Explain briefly the phyto geographical regions of Karnataka.
 24. What is conservation ? Describe the methods of soil conservation.
 25. Explain :
 - a) Energy resources
 - b) National parks.
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