

IV. TRUE OR FALSE

16. Environment protection act started in 1985.
17. Acidophilic bacteria are involved in Bioleaching
18. *Typha* species is involved in phytoremediation.

V. ANSWER ANY SIX IN 50 WORDS:**(6 x 3=18 Marks)**

19. Biotic component
20. Frequency percentage
21. Sunken stomata
22. Biomagnification
23. Vivipary germination
24. Xenobiotic
25. Risk characterization
26. Ecological amplitude
27. Rhizodegradation

SECTION - B**ANSWER ANY 4 OUT OF 6 QUESTIONS IN 200 WORDS EACH: (4x6=24 Marks)**

28. Differentiate quadrat and transect methods of sampling.
29. Describe the vertical stratification with reference to a forest.
30. Enumerate the process of biotransformation of DDT.
31. List the morphological and anatomical adaptations of Hydrophytes.
32. How will you monitor the quality of air?
33. Explain the various methods of phytoremediation.

SECTION - C**ANSWER ANY 2 OUT OF 4 QUESTIONS IN 1000 WORDS EACH: (2x20=40 marks)**

34. Elaborate Raunkiaer's biological spectrum of the plant community.
35. Describe the aquatic ecosystem with pond as an example.
36. Write details on the stages involved in Environmental Impact Assessment.
37. Highlight the uses of bioindicators in monitoring the state of environment.
