

Exam. Code: 596
Sub. Code: 4138

1056
Certificate (Add-on Course)
Environment Auditing
Paper-II(A): Introductory Biology
(For Non-Medical Stream)

Time Allowed: 3 hours

Max. Marks: 75

Note: Attempt five questions in all.

- I. a) Give difference between Prokaryotes and Eukaryotes.
b) Differentiate between Natural selection and artificial selection. (2x7½)
- II. Explain 'C₃' cycle of Photosyntheses. (15)
- III. Describe the morphological, anatomical and physiological adaptation of Xerophytes. (15)
- IV. Give the characteristics of:
a) Carbohydrates b) Amino Acids (2x7½)
- V. a) Write a note on macro-nutrient required for plants.
b) Define term taxonomy. Write about the taxonomic hierarchy introduced by Linnaeus. (7,8)
- VI. Write any two of the following:
a) Application of Biotechnology in plant sciences.
b) Variation
c) Factors affecting transpiration. (2x7½)
- VII. Explain briefly the following:
a) Cardiovascular diseases.
b) Useful role of bacteria. (8,7)
- VIII. a) What is Osmosis? Give their importance also.
b) Write note on Alcoholism.
c) Discuss the risks of self medication. (5,5,5)

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