Silicon

beyond teaching

Silicon Institute of Technology
Silicon Hills, Bhubaneswar
| An Autonomous Institute |

2nd Semester B.Tech. Mid Term Examination 2019-2020
ENVIRONMENTAL SCIENCE and ENGG(18NC1T02)

Duration: 01:30   Full Marks: 25

1 Answer All

a Define food web.   1

b What is transpiration?   1

c What are the three components (types or levels) of Biodiversity?   1

d When World Wildlife Fund was founded____   1
  (A) 1961
  (B) 1965
  (C) 1969
  (D) 1992

e Mention the objectives of the Paris agreement.   1

2 Answer any Two

a Explain niche with an example.   2

b Explain the trophic level of an organism.   2

c What is an Ecosystem? Describe the various types of ecosystems present on earth.   2

3 Answer any Two

a What are the reasons for different species having different tolerance levels?   2

b Write about Umbrella Act & its objectives.   2

c What is the Montreal Protocol, and what are its implications?   2

4 Answer any One

a Write about GPP(Gross Primary Production) and NPP(Net Primary Production) & also   6
  mention different ranges of NPP with examples.

b Write about various ecosystem processes with a suitable diagram.   6

5 Answer any One

a Draw the Tolerance Curve labeling the axes and clearly explain the various zones (ranges)   6
  in it. What mathematical function best describes the nature of the curve?

b Explain the significances of different environmental laws.   6

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