Reg.No. | | | | | | | | | | | | |

22211

Velammal College of Engineering and Technology

Viraganoor, Madurai – 625 009
(Autonomous)

B.E./B.Tech. End Semester Examinations April 2023

Second/Fourth Semester | **Regulation 2021**
Time : 3 Hours | **Max. Marks 100**

21CH103 – Environmental Science

Answer ALL Questions
PART-A (10 x 2 = 20 Marks)

1. Compare autotrophic and heterotrophic components of an ecosystem.
2. Define endemic and endangered species with an example.
3. Classify any two adverse effects caused by overgrazing.
4. Enumerate the desired qualities of an ideal pesticide.
5. Outline the objectives of wildlife act.
6. List any two adverse effects of soil pollution.
7. Give reasons for the necessity of value education
8. What is meant environmental ethics?
9. How sustainable development benefits the environment.
10. Give the impacts of nuclear wastes.

Part – B (5 x 16 = 80 marks)

11. a) Examine the factors that give threats to biodiversity

OR

b) Explain the types and process of ecological succession

12. a) Organize the effects of fertilizers and pesticides in modern agriculture.

OR

b) Summarize on renewable energy resources and environmental impacts of wind mills and solar panels.

13. a) Express the causes, effects and control measures of air pollution.

OR

b) Classify the types of solid wastes and explain the steps involved in solid waste management.

14. a) (i) Demonstrate the causes, effects and management of flood and earthquake. (8)

(ii) What is value education? Explain the need for value education, and methods of imparting value education (8)

OR

b) (i) What is meant by rain water harvesting? Why is it necessary now a days? (8)

(ii) Discuss the role of an individual in conservation of natural resources. (8)

15. a) Examine present studies on climate change of global warming.

OR

b) Identify the causes, effects and control measures of nuclear accident and ozone layer depletion.