

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI-86**  
**(For candidates admitted during the academic year 2016–17)**

**SUBJECT CODE: 16VS/VA/EN35**

**B.Voc. DEGREE EXAMINATION, NOVEMBER 2017**  
**SUSTAINABLE ENERGY MANAGEMENT**  
**THIRD SEMESTER**

**COURSE : ALLIED CORE**  
**PAPER : ENVIRONMENT AND ECOLOGY**  
**TIME : 6 HOURS**

**MAX.MARKS:100**

**SECTION – A**

**ANSWER ALL QUESTIONS:**

**(30x1=30)**

1. Differentiate food chain and food web.
2. Give the names of any two microorganisms that can degrade cellulose.
3. Fermentation occurs in the presence of oxygen. T/F
4. How can we neutralize soil acidity?
5. Name any two greenhouse gases.
6. What are the 3 Rs in waste management?
7. What is eutrophication?
8. What is acid rain?
9. Name two food adulterants.
10. What is Peoples Biodiversity Register?
11. The current population of India is -----.
12. What is environmental value?
13. What is biomagnification?
14. Expand NBA.
15. The distribution range of insects such as ----- is expected to increase due to global warming.
16. Vitamin A deficiency can cause -----.
17. Mention any two ways by which you can conserve water.
18. The pyramid of energy is always inverted. T/F
19. Which carbohydrate forms the main component of wood?
20. Name a microbe that can clear oil spills.
21. Give an example of a symbiotic relationship between different species.
22. The Wildlife Protection Act (1972) and its amendments do not apply to the State of Jammu and Kashmir. T/F
23. The inter-specific relationship in which one species is benefited and the other is not affected is -----.
24. Algae are producers. T/F
25. Omnivores can be autotrophs or heterotrophs. T/F
26. Alcohol, lactic acid and carbon dioxide are the end products of -----.
27. EIA stands for -----.
28. Give any two control measures for noise pollution.
29. Write any two values of biodiversity.
30. The amount of organic matter present in plant and animal tissue at a particular place and time is known as -----.

**SECTION – B****ANSWER ANY SIX QUESTIONS:****(6x5=30)**

31. Explain the causes and effects of ozone layer depletion.
32. Comment on the microorganisms causing fermentation.
33. Give a brief outline of economic policies on environment in the Indian context.
34. Describe the impact of urbanization on the environment.
35. Write short notes on the equitable use of resources.
36. Comment on the importance of food security.
37. Write a short note on the Montreal Protocol.
38. Elaborate on the methods for controlling population growth.

**SECTION – C****ANSWER ANY TWO QUESTIONS:****(2x20=40)**

39. Write an essay on Sustainable Development.
40. Describe assessment of impact due to air pollution.
41. Describe the epidemiology of water-borne diseases and give the causative organism, symptoms, prevention and prophylaxis of any three water-borne diseases.
42. 12. Write an essay on Intellectual Property Rights.

**\*\*\*\*\***