

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 2018
SUSTAINABLE ENERGY MANAGEMENT
THIRD SEMESTER

COURSE : ALLIED CORE
PAPER : ENVIRONMENT AND ECOLOGY
TIME : 3 HOURS

MAX.MARKS:100

SECTION – A

ANSWER ALL QUESTIONS:

(30x1=30)

I. CHOOSE THE CORRECT ANSWER

- Which of the following is the pH value of acid rain?
a. 6 b. 7 c. 8 d. 13
- In 1970s scientists discovered a chemical called
a.CO₂ b. O₂ c. CFC d. NO
- Which of the following is the pH value of acid rain?
a. Boron b. Strontium c. Oxygen d. Zinc
- The biotic component is
a. Lion b. Minerals c. Shrubs d. Temperature
- is the secondary pollutant
a. SO₂ b. CO c. NO d. HNO₃
- UV rays destroys pigment in human beings
a. Alanine b. Guanidine c. Melanine d. Adenine
- denotes the arrival of individuals from neighboring population
a. Emigration b. Immigration c. Migration d. Demigration
- is a virus
a. AIDS b. HIV c. Cholera d. Malaria
- During India started the family planning programme
a. 1951 b. 1953 c. 1950 d. 1952
- article prohibits the explosion of labour children
a. 24 b. 25 c. 26 d. 29

II. DEFINE:

- Bio-degradable pollutants
- Global warming.
- Ecology.
- Food chain
- Thermal pollution

III. FILL IN THE BLANKS:

- Formation of acid rain is reduced by less emission Oxides.
- The most abundant component in atmospheric air is
- Movement of water in a cycle is known as cycle

19. Phosphorous is found in
20. is the reprocessing of discarded materials.
21. The amount of atmospheric ozone is expressed in units.
22. CDM means
23. Universal declaration of human rights was established in
24. NIMBY means
25. Combustion of fuel causes lung diseases.

IV. ANSWER IN A LINE OR TWO

26. Write any two major water pollutants.
27. Write two important aspects of sustainable development.
28. What is population explosion?
29. What is doubling time?
30. What are social values?

SECTION – B

ANSWER ANY SIX QUESTIONS:

(6x5=30)

31. Explain various methods of controlling noise pollution.
32. Mention the causes and effects of climate change.
33. Illustrate the ecological pyramids.
34. Give the sources of air and water pollution.
35. What are the important features of environmental laws in the Indian context?
36. Give the relationship between population growth and environmental issues.
37. What are the preventive methods to control cancer?
38. Discuss about equitable use of resources.

SECTION – C

ANSWER ANY TWO QUESTIONS:

(2x20=40)

39. Discuss briefly about sustainable development in the environment.
40. Explain how bio-mass energy can be produced and its significances.
41. What are water-borne diseases? List them and discuss briefly about any two.
42. Describe intellectual property rights and community biodiversity registers.
