

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI-86
(For candidates admitted during the academic year 2016 – 2017 & thereafter)

B.Voc. DEGREE EXAMINATION, NOVEMBER 2023
SUSTAINABLE ENERGY MANAGEMENT
THIRD SEMESTER

COURSE : ALLIED CORE
PAPER : ENVIRONMENT AND ECOLOGY
SUBJECT CODE : 16VS/VA/EN35
TIME : 3 HOURS

MAX.MARKS:100

SECTION – A

ANSWER ALL QUESTIONS:

(30x1=30)

I CHOOSE THE CORRECT ANSWER

1. Global warming is expected to result in
 - a. Increase in sea level
 - b. Change in crop pattern
 - c. Change in coastal line
 - d. All of these
2. Biological Diversity Act was passed in _____
 - a. 2002
 - b. 2000
 - c. 2014
 - d. 2001
3. The largest ecosystem of earth is _____
 - a. Biome
 - b. Hydrosphere
 - c. Lithosphere
 - d. Biosphere
4. The most abundant molecule in the atmosphere is
 - a. CO₂
 - b. Argon
 - c. Methane
 - d. Nitrogen
5. The abiotic component is
 - a. Lion
 - b. Plants
 - c. Shrubs
 - d. Temperature
6. The Environment (Protection) Act was enacted in
 - a. 1985
 - b. 1986
 - c. 1995
 - d. 1996.
7. Multicellular parasitic worms are also called as _____
 - a. Helminths
 - b. Mold
 - c. Bacteria
 - d. Fungi
8. is a virus
 - a. AIDS
 - b. HIV
 - c. Cholera
 - d. Malaria
9. UV rays destroys in human beings
 - a. Alanine
 - b. Guanidine
 - c. Melanine
 - d. Adenine
10. The process by which a substance changes from one chemical to another by a chemical reaction within the body
 - a. Biodegradation
 - b. Biotransformation
 - c. Bioremediation
 - d. Phytoremediation

II FILL IN THE BLANKS:

11. The pH value of acid rain is.....
12. The obnoxious gases released from burning plastics are
13. EIA stands for.....
14. Phosphorous is found in.....
15. The gel derived from algae is.....
16. The science of fermentation is known as

17. The inter-specific relationship in which one species is benefited and the other is not affected is
18. The distribution range of insects such as is expected to increase due to global warming
19. The amount of organic matter present in plant and animal tissue at a particular place and time is known as.....
20. CDM means
21. Combustion of fuel causes lung diseases
22. Vitamin A deficiency can cause.....

IV DEFINE

23. Define global warming.
24. Define biomass.
25. Define eutrophication.
26. What is population explosion.
27. What is doubling time?
28. What is NIMBY?
29. What is environmental value?
30. Define ethics.

SECTION – B

ANSWER ANY SIX QUESTIONS:

(6x5=30)

31. Write a brief note on Climate Modelling.
32. Explain various methods of controlling noise pollution.
33. Write about ecological aspects of microbial degradation.
34. Differentiate between aerobic and anaerobic microorganisms.
35. Briefly explain about the Indian environmental laws.
36. Comment on the importance of food security.
37. Describe the impact of urbanization on the environment.
38. Explain about Community biodiversity registers.

SECTION – C

ANSWER ANY TWO QUESTIONS:

(2x20=40)

39. Explain in detail about the sustainable development on Environment.
40. Discuss the Eukaryotic Microorganisms in detail.
41. Explain air pollution and their economic impact.
42. Write an essay on Intellectual Property Rights.
