

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

SUBJECT CODE: 16VS/VM/WM36
B.Voc. DEGREE EXAMINATION, NOVEMBER 2019
SUSTAINABLE ENERGY MANAGEMENT
THIRD SEMESTER

COURSE : MAJOR CORE

PAPER : WASTE SEGREGATION AND MANAGEMENT

TIME : 6 HOURS

MAX.MARKS:100


(Theory: 50 marks + Practical: 50 marks)

SECTION -A

ANSWER ALL QUESTIONS:

(20x1=20)

I. Choose the correct answer:

1. Problem of solid waste disposal can be reduced through
 - a) Recycling
 - b) more timber
 - c) lesser pollution
 - d) population control
2. Most municipal solid waste in India ends up _____.
 - a) as compost
 - b) in a sanitary landfill
 - c) in an incinerator
 - d) in an open dump
3. Which option below is the least desirable if you want to lower environmental impact?
 - a) Recycling
 - b) using less to begin with
 - c) Waste put in landfill
 - d) reuse
4.  symbol represents
 - a) Hazardous waste
 - b) chemical waste
 - c) recyclable waste
 - d) radioactive waste
5. Which ONE of the following items DOES belong in the red container?
 - a) Banana
 - b) injection vials
 - c) Straw
 - d) paper

II. Fill in the blanks:

6. _____ waste can be broken down by living things.
7. Contaminated water that leaks from a landfill is called _____
8. Which of the materials is the not likely to get recycled - _____
9. Deep-well injection is most likely to pollute _____
10. Landfill Methane is the Largest Source of _____ Emission.

III State whether True or False:

11. Labeling a container simply as “waste” is not acceptable.
12. People can be fined for illegal dumping and burning garbage
13. Municipal Solid Waste contains mostly organic matter.
14. Burning is the most common method of disposing waste.
15. All organic wastes are biodegradable

IV Answer in a sentence or two:

16. What kinds of plastics are banned in Tamilnadu state?
17. What are the main causes of solid waste?
18. What is composting?
19. What does anaerobic mean?
20. Write down the types of incinerators.

SECTION – B**ANSWER ANY SIX QUESTIONS:****(6x3=18)**

21. What are various types of solid wastes?
22. Write down your opinion to dispose house hold organic waste.
23. Describe the various guidelines for selection of a landfill site.
24. What is a Landfill and mention the different type of Landfills.
25. Why Health Safety policies are necessary?
26. What do you understand from BOD and COD
27. What are the disadvantages of hazardous waste
28. What do you understand from Recovery of energy and material
29. Write short note 3-R's in waste management.
30. Write down the steps to complete a waste minimization audit.

SECTION – C**ANSWER ANY TWO QUESTIONS:****(2x6=12)**

31. Describe the problems associated with solid waste disposal.
32. Explain the Energy generation from different types of food wastes
33. What are the Environmental effects of chemical and pharmaceutical waste
34. i. Write a short note on waste minimization techniques. (2)
ii. Suggest various methods for reducing the solid waste generation in the industries (4)
