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

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SUBJECT CODE : 16VS/VM/GM66
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B. Voc. DEGREE EXAMINATION, APRIL 2023
SUSTAINABLE ENERGY MANAGEMENT
SIXTH SEMESTER

COURSE : MAJOR CORE
PAPER : GREEN MANAGEMENT-URBAN AND RURAL SCENARIO
TIME : 3 HOURS   MAX. MARKS : 100

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Section – A
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Answer any ALL questions   (30×1=30)

I. CHOOSE THE CORRECT ANSWER

1. The urban rain gardens with vertical walls and either open or closed bottoms,
   (a) Rain Gardens   (b) Planter boxes
   (c) Biowalls   (d) permeable pavements

2. The Scientific name of Neem is,
   (a) Casuarina equisetifolia   (b) Kigelia pinnata
   (c) Azadirachta indica   (d) Pongamia pinnata

3. Seals of approval given to products that are deemed to have fewer impacts on the environment than functionally or competitively similar products
   (a) Ecolables   (b) Copyright   (c) Patent   (d) geotag

4. Microclimate is the climate of,
   (a) continent   (b) entire country   (c) large area   (d) very small area

5. GSCM stands for,
   (a) Green supply chain management   (b) General supply chain management
   (c) Global supply chain management   (d) none

6. Environment Impact assessment (EIA) is done,
   (a) before the project   (b) after the project
   (c) during the project   (d) any time

7. The first place from where the energy starts in a food chain is,
   (a) Earth   (b) Sun   (c) animals   (d) plants

8. Heat island effect is much prone in this area,
   (a) rural   (b) semi-rural   (c) urban   (d) villages

9. By infiltration, the rain water is,
   (a) sent to river   (b) sent to sea   (c) instantly used   (d) absorbed by land

10. Microclimate includes,
    (a) temperature   (b) light   (c) air quality   (d) all the above

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II. FILL IN THE BLANKS

11. _____ paving comes under green infrastructure.
12. Green infrastructure means _____ of pollutions.
13. Leakage of adulterated elements in to water is called, _____ pollution.
14. An area or ridge of land that separates waters flowing to different rivers, basins, or seas is called _____.
15. Microclimate deals with _____ areas alone.

III. TRUE OR FALSE

16. Downspout is a pipeline that takes water in to building from outside.
17. Green marketing is promotion of environmental friendly products and services.
18. Eco-design uses fewer resources during the manufacturing process.
19. Climate resilient buildings will not withstand all weather.
20. Arable land is suitable for cropping on a regular basis.

IV. ANSWER IN A SENTENCE

21. What is urban heat island effect?
22. Define green infrastructure.
23. What is green roof?
24. What is meant by green washing?
25. Mention any two benefits of GSCM.
26. Define microclimate.
27. What do you mean by original equipment manufacturers?
28. Give any two other names used for green marketing.
29. What is participatory watershed?
30. Define climate resilient building.

SECTION – B

Answer any SIX questions: (6×5=30)

31. Write a short note on the cooling strategies.
32. Discuss in brief the eco-design and eco-label.
33. Discuss in brief the green marketing.
34. Elucidate the types of Green Infrastructure.
35. Illustrate on how to design a climate resilient building.
36. Write a brief note on Competitive advantage and its classification.
37. Explain on critical issues faced during participatory watershed management program.
38. Write a brief note on cooling strategies and role of public in microclimate regulation.

SECTION – C

Answer any TWO questions: (2×20=40)

39. Write a detailed note on the effects of trees on local outdoor microclimate.
40. Write a detailed note on the different types of Green Infrastructure.
41. Discuss in brief about the ideas to safeguard the rural areas.
42. Explain on critical issues faced during participatory watershed management program.

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