

SUBJECT CODE : 16VS/VM/GM66

B. Voc. DEGREE EXAMINATION, APRIL 2022

SUSTAINABLE ENERGY MANAGEMENT

SIXTH SEMESTER

COURSE : MAJOR CORE

PAPER : GREEN MANAGEMENT-URBAN AND RURAL SCENARIO

TIME : 3 HOURS

MAX. MARKS : 100

Section – A

Answer any ALL questions

(30×1=30)

I. CHOOSE THE CORRECT ANSWER

- _____ are seals of approval given to products that are deemed to have fewer impacts on the environment than functionally or competitively similar products.
a) Ecolabels b) Copyright c) Eco-designing d) Patent
- _____ are urban rain gardens with vertical walls and either open or closed bottoms.
a) Rain Gardens b) Planter boxes c) Bioswales d) Permeable Pavements
- _____ is the scientific name of Banyan Tree.
a) Mimusops elengi b) Azadirachta indica
b) Ficus benghalensis d) Casuarina equisetifolia
- _____ reduces flooding and filters polluted rain runoff from the street.
a) Downspout Disconnection b) Green marketing
b) Green Street d) Green roof
- Setting up suppliers of a product near to _____ reduces fuel consumption.
a) EDI b) OEM c) EPI d) DFE

II. EXPAND THE FOLLOWING:

- UHI –
- EPI –
- GSCM-
- VOC –
- LEED –
- GI –
- UOS –
- OEM–

III. FILL IN THE BLANKS

- _____ is the practice of planting vegetation on a roof, just like they are planted in a garden.
- _____ is eliminating waste in every stage of supply chain.
- If a green claim is discovered to be false or contradicted, it is said to be _____.
- _____ is the sum of water evaporation and transpiration from a surface area to the atmosphere.
- The Scientific name of Neem is _____.
- _____ involves designing products, services, processes to avoid damage to the environment, society and the economy.
- Competitive advantage can be classified into _____ different categories.

IV. ANSWER IN A SENTENCE

21. Define Microclimate.
22. What is meant by green marketing?
23. Define Eco-label.
24. Mention any two benefits of GSCM.
25. What is Rain water harvesting?

V. MATCH THE FOLLOWING

- | | | |
|----------------------------|---|-------------------------|
| 26. Whistling tree | - | Amazon |
| 27. Comparative advantage | - | Casuarina equisetifolia |
| 28. Sausage tree | - | Industry associations |
| 29. Second party labelling | - | Kigelia pinnata |
| 30. First party labelling | - | Karanj |
| | - | Self declaration |

SECTION – B**Answer any SIX questions:****(6×5=30)**

31. Explain the emergence of environmental market.
32. Write a brief note on Eco-designing.
33. Illustrate on how to design a climate resilient building.
34. Explain urban heat island in brief.
35. Discuss the Competitive advantage and its classification.
36. Explain green spaces with examples.
37. Discuss the social benefits of green infrastructure.
38. Write a short note on adaptation to climate change.

SECTION – C**Answer any TWO questions:****(2×20=40)**

39. Elucidate the types of Green Infrastructure with its microeconomic aspects.
40. Write a detailed note on the Green supply chain management.
41. Explain the properties and potential of different tree species on microclimate regulation with the cooling strategies.
42. Discuss the importance of green space in cities for promoting healthy living.
