Chettinad
College of Engineering & Technology
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Department of Computer Science and Engineering

CS8078 – Green Computing

Unit I - MCQ Bank

1. _____is the practice of environmentally sustainable computing.

A) Green IT Strategies

B) Business IT

C) Green computing

D) Green Assets

Answer: A

2. A _____is the total greenhouse gas emissions caused by an individual, event,

Organization, service, or product, expressed as carbon dioxide equivalent.

A) Nanocarbons

B) Carbon monoxide (CO)

C) Carbon foot print

D) Glassy carbon

Answer: C

3. The economic system in which business units or factors of production are privately owned and

governed is called as_____

A) Capitalism

B) Socialism

C) Democratic

D) Republic

Answer: A

4. Self fulfillment and immediate gratification are_____ cultural values.

A) Decreases

B) Rises

C) Diminishes

D) Corporte

Answer: B

5. When was green computing invented _____

A) 1990

B) 1991

C) 1992

D) 1993

Answer: C

6. Purchasing from Environmentally Committed Companies and Participating in Electronic

Recycling Programs are the examples of_____

A) Green IT

B) Green Computing

C) Green Technology

D) Green Business

Answer: B

7. What major issue separates the computing haves from the have-nots?

A) Green Computing

B) The Digital Divide

C) Environment Responsible Business

D) Business IT

Answer: B

8. _____ and_____ are two major techniques involved in green computing.

A) Energy-Analysis, e-waste

B) Energy-Management, e-waste

C) Energy-Forecasting, e-waste

D) Energy-efficiency, e-waste

Answer: D

9. Which one of the following is not a 'renewable' energy source?

A) Solar

B) Coal

C) Wave

D) Wind

Answer: B

10. Which one of the following gases is not included in the category 'greenhouse gases'?

A) Methane

B) Hydrogen

C) Carbon dioxide

D) Nitrous oxide

Answer: B

11. The ecological footprint measures _____

A) How much of the planet Earth we have uncovered

B) Human demand on nature, i.e., the quantity of nature it takes to support people

 or an economy

C) The biologically productive area needed to provide for everything a family uses

D) A hate-crime against those wishing to indulge in retail therapy

Answer: B

12. Climate Savers Computing Initiative was created by which technology leaders?

A) Microsoft, Apple

B) Apple, Intel

C) Intel, Google

D) Google, Microsoft

Answer: C

13. _____ is a measure of carbon dioxide emission in environment by the data center

A) Carbon Usage Effectiveness (CUE)

B) Carbon Power Effectiveness (CPE)

C) Carbon Emission Effectiveness (CEE)

D) Carbon Discharge Effectiveness (CDE)

Answer: A

14. _____ is the maximum amount of power which a computer chip can take when running areal application

A) Thermal Reuse Power

B) Thermal Design Power

C) Thermal Usage Power

D) Thermal Effective Power

Answer: B

15._____centers referred energy aware, CO2 emission and energy efficient minimize design,devices and protocol also algorithms of data centers

A) Green IT centers

B) Business data centers

C) Green data centers

D) Data Management centers

Answer: A

16. The average laptop uses only half as much energy as a desktop PC

A) True

B) False

Answer: B

17. Using a screensaver conserves energy when your computer is idle

A) True

B) False

Answer: B

18. What happens to old computers when they die?

A) Less than half end up in substandard facilities with toxic components (like lead) polluting the environment

B)Over half end up in substandard facilities with toxic components (like lead) polluting the environment

C) Most die without leaving a will so their heirs get stuck in probate.

D) Look for a recycling centre and dispose of it properly

Answer: B

19. Which operating system is the most green?

A) Linux

B) Microsoft windows

C) Apple's iOS

D) Android

Answer: A

20. Which materials can be extracted from alkaline batteries and used in the creation of new ones?

A) Lithium and carbon

B) Lead and lye

C) Steel and cadmium

D) Steel and zinc

Answer: D

21. Which of the following is the largest sink for carbon dioxide gas?a) Forests

b) Oceans

c) Ice sheets

d) Grasslands

Answer: B

22. Which is the most abundant greenhouse gas in the atmosphere?

a) Carbon dioxide

b) Water vapour

c) Methane

d) Nitrogen

Answer: B

23. What does the phrase "anthropogenic CO2 emissions" mean?

a) Human made CO2 emissions

b) Industrial CO2 emissions

c) Natural CO2 emissions

d) All of the mentioned

Answer: A

24. By how much has atmospheric carbon dioxide concentration increased ever since the Industrial Revolution?

a) 20%

b) 10%

c) 40%

d) 60%

Answer: C

25. Clouds help in cooling down the planet and do not contribute to greenhouse effect.

a) True

b) False

Answer: B

26. Which of the following radiations of the sun do greenhouse gases trap?

a) Visible radiations

b) Infrared radiations

c) UV radiations

d) All the radiations

Answer: B

27. What does GWP in the context of greenhouse gases indicate?

a) Global Warming Parameters

b) Gradual Warming Pattern

c) Global Warming Patterns

d) Global Warming Potential

Answer: D

28. The Greenhouse Effect

a) is the decrease in the surface temperature on Earth

b) is the rise in the surface temperature on Earth

c) is caused by the oxygen shortage

d) None of the above

 Answer: B

29. Which of the following contributes least to your carbon footprint?

 a) Riding a bike to college

b) Driving a car to the shops

c) Taking a plane

d) Both A and B

 Answer: a

30. Reusing or recycling old items instead of buying new ones helps shrink your carbon footprint

by…

a. Eliminating the need for new packaging to be created

b. Cutting out the CO_2 released when transporting new products to the store

c. Making sure you don't buy more than you need

d. All of the above

Answer: D