Chettinad College of Engineering & Technology
Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai.

Department of Computer Science and Engineering

CS8078 – Green Computing

Unit II - MCQ Bank

1._____ anything that has social, environmental and/or economic value that is owned by an individual, business, family or community.

a. Green Computing

b. Green Assets

c. Green Policy

d. Green IT

Answer: B

2. A green data center is a server facility which utilizes energy efficient technologies.

a. True

b. False

Answer: A

3.Green BPM deals with the overall management of all_____ and _____ process of an organization from a green perspective.

a. Internal and External

b. External and Internal

c. Includes and Excludes

d. None of the above

Answer: A

4. A Green assets and infrastructure comprise substantial part of that

a. long-term approach

b. short term approach

c. both a and b

d. none of the above

Answer: A

5._____deals with the green credentials of the asset in terms of its design and development.

a. Operate

b. Establish

c. Dispose

d. None of the above

Answer: B

6. Building and facilities impact the long term strategic approach to

a. carbon reduction

b. carbon emission

c. carbon cost

d. carbon footprint

Answer: A

7. A data center buildings are specialized buildings to hold the large computing and communications equipments of the organization.

a. False

b. True

Answer: B

8. BPM is a well-established industry practice encompassing, reengineering, and optimization of processes, and the measuring, merging, and elimination of business processes.

a. process modelling

b. reverse modeling

c. reverse process

d. modeling

Answer: A

9. ____includes tools for process modeling and many of the process-enabling technologies such as business rules, policies, and metrics.

a. Green ICT

b. Green IT

c. Green Computing

d. Green Policy

Answer: A

10. BPM can be understood as a undisciplined of modeling, realizing, executing, monitoring, and optimizing business processes.

a. True

b. False

Answer: B

11. MSCM can also use ___to improve material handling in distribution logistics.

a. RFID

b. BPM

c. GIS

d. MSCM

Answer: A

12. Mobile supply chain management (MSCM) can bring together, dynamically, factors such as number, location, and size of warehouses.

a. RFID

b. BPM

c. GIS

d. MSCM

Answer: D

13. A GIS (or a CEMS or EIS) is a software system that provides support to the business to implement its_____

a. ERBS

b. ERAS

c. ERDS

d. ERRS

Answer: A

14. GIS system is the software with the functions for measuring, monitoring, and performance checking of the various emissions.

a. True

b. False

Answer: A

15. _____ further enhances this data capture ability and makes it real time.

a. Mobility

b. Mobile-Broadcast

c. Mobile-Informative

d. Mobile-Operative

Answer: A

16.GIS also provides feedback to customers and other _____of the business on its environmental performance.

a. external users

b. internal users

c. Both a & b

d. none of these

Answer: A

17. UML has been used in presenting the models of the GIS.

a. True

b. False

Answer: A

18._____ Used to create and model subsystems.

a. Package diagram

b. Use case Diagram

c. Sequence Diagram

d. State machine Diagram.

Answer: A

19._____ Used to show functionalities and business processes from a user's point of view.

a. Package diagram

b. Use case Diagram

c. Sequence Diagram

d. State machine Diagram.

Answer: B

20. A comprehensive GE A encompasses an understanding of the various views of the organization and its interrelationships.

a. True

b. False

Answer: A

21.____ deals with carbon data, storage, transmission, and its interfaces with other data.

a. Green security

b. Green IT

c. Green Policy

d. Green computing

Answer: A

22. Green recycling and e-waste management requirements that deal with the one-off disposal of assets.

a. False

b. True

Answer: B

23. ____is made up of data that belong to each of the four groups of systems.

a. Green network

b. Data repository

c. Green system

d. Green data center

Answer: B

24. Green metrics and measurement do not requirements that specify the elements to measure and report.

a. False

b. True

Answer: A

25. _____requirements that are specifying the technologies that are needed to handle the Green IT initiative.

a. Green network

b. Data repository

c. Green technical

d. Green data center

Answer: C

26. Which of the following is not the purpose of a green building?

a) To reduce use of water

b) To minimize damage of the environment

c) Re-use of waste materials

d) None of the above

Answer: D

27. Which of the following is not an economic benefit for a green building?

a) 20 – 30 % energy used

b) 20 – 30 % less water used

c) Enhance asset value

d) None of the above

Answer: D

28. The word Grid in Grid Computing comes from an analogy to the _____ Power Grid.

a) electrical

b) physical

c) Analysis

d) Logical

Answer: A

29. The primary advantage of _____ computing is that each node can be purchased as commodity hardware, which when combined can produce similar computing resources to a multiprocessor supercomputer, but at a lower cost.

a) distributed

b) grid

c) cloud

d) green

Answer: A

30. The resource sharing problem dominated the grid computing, it starts from simple file transfer to the complex problems in a grid _____ environment.

a) terms

b) Policies

c) Both A and B

d) None of the above

Answer: B