

[Duration: - 2 ½ Hours]

IT125GC22

[Marks 75]

Note: -

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Students will be allowed 15 Minutes extra time per hour.

**PART B**

**Q.2 Answer the Following - (Any Two out of Four)**

(08 M)

1. What are the benefits of recycling electronic waste?
2. How to measure the carbon footprint of the organization?
3. Write a short note on WEEE directives.
4. Explain solving the e-waste problem (StEP).

**Q.3 Answer the Following - (Any Two out of Four)**

(08 M)

1. Explain how data deduplication helps in cut power use.
2. Explain the need of virtualization and storage in reducing power usage.
3. What are the ways of reducing cooling costs?
- 4 Explain on-Demand cooling.

(P.T.O)

**Q.4 Answer the Following - (Any Two out of Four)**

(08 M)

1. How can telecommuting be achieved by outsourcing?
2. What are the steps to be taken for recycling non-IT components?
3. What are the benefits of having a paperless office?
4. Write a short note on EDI.

**Q.5 Answer the Following - (Any Two out of Four)**

(08 M)

1. What are the problems related to e-waste?
2. Write a short note on refurbishing.
3. What are different types of certification programs?
4. Write a short note on consolidation.

**Q.6 Answer the Following - (Any Two out of Four)**

(08 M)

1. Write a short note on storage density.
2. Write a short note on Green Supply Chain.
3. What do you understand about SMART goals?
4. Write a short note on Tracking the data.

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*Penjal*

Seat Number: - \_\_\_\_\_

Signature of Supervisor with Date: - \_\_\_\_\_

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PART A

(35 Mark)

Q.1. Multiple choice questions:

1. \_\_\_\_\_ is a measure of the amount of energy consumed per square feet of floor space.  
A. storage utilization B. storage density C. Swap D. Data Center Density
2. This program or an operating system feature allows the user to connect to a computer in another location.  
A. Remote Desktop B. Intranet C. EDI D. E-Commerce
3. MAID stands for \_\_\_\_\_  
A. Massive Action Idle Disks B. Mass Array of Idle Disks  
C. Massive Active Indian Disks D. Massive Array of Idle Disks
4. The EPA's product rating system that assesses the environmental impact of consumer and commercial products is called:  
A. Energy Score B. Energy Check C. Energy Star D. Energy Point
5. The main appeal of \_\_\_\_\_ is that they increase your organization's data center capabilities, without adding to its size.  
A. Server B. blade servers C. Thin Clients D. Blade PCs
6. It is not certification level  
A. Bronze B. Silver C. Gold D. metal
7. The following is not in Systems Development Life Cycle  
A. Feasibility study B. Analysis C. System specification D. Recycle
8. The \_\_\_\_\_ shows how decisions of an individual can get bigger and bigger.  
A. recycling B. decision-making pyramid C. food vendors D. Reuse
9. Used in wire and cable sheathing  
A. PVC B. Lead C. Cadmium D. Mercury
10. \_\_\_\_\_ Used in small amounts in bulbs to backlight flat-panel computer monitors and notebook displays.  
A. Lead B. Brominated flame retardants C. Mercury D. Cadmium
11. EDI speeds up the process of working with \_\_\_\_\_ partners.  
A. C2C B. B2B C. B2C D. C2B
12. \_\_\_\_\_ is a private network provider hired by company to facilitate EDI and provide other network services like message encryption, secure email and so on.  
A. VAN B. Cable net C. ISP D. WAN
13. Printing ink can contain such heavy metals as the following:  
A. Barium, Cadmium B. carbon dioxide C. mercury D. monoxide
14. \_\_\_\_\_ allows exchange of business documents in a standardize electronic format between business partners.  
A. WhatsApp B. Electronic Data Interchange ( EDI) C. Google D. Internet Explorer
15. A calculator at the \_\_\_\_\_ Plus website can show you how much money you can save by using energy efficient power supplies in your computers.  
A. 80 B. 20 C. 10 D. 70
16. \_\_\_\_\_ conducts research on the entire life cycle of electronic and electrical equipment and their corresponding global supply, process, and material flows.  
A. StEP B. RoHS C. WEEE D. IDE
17. EEE stands for \_\_\_\_\_  
A. electrical and electronic equipment B. end-of-end  
C. Extending energy D. economic, environmental, energy
18. A program that ensures hazardous materials have been removed from U.S. government ships prior to export.  
A. E-Waste Stewardship Project B. Green Shipbreaking  
C. Zero Mercury Campaign D. Basel Ban Ratification
19. SAN means  
A. Storage Area Network B. Serial Area Network  
C. Storage Accessing Network D. Storage All Network
20. The directive restricts the use of hazardous materials  
A. carbon monoxide B. sulphur dioxide C. Cadmium D. carbon dioxide





21. A program designed by Australian government along with various industries to dispose e-waste safely is known as  
 A. Basel Action Network      B. RoHS      C. Byteback      D. WEEE
22. Which materials can be extracted from alkaline batteries and used in the creation of new ones?  
 A. Steel and zinc      B. Lithium and carbon      C. Lead and lye      D. Steel and cadmium
23. A \_\_\_\_\_ utilizes evaporative cooling to indirectly produce chilled water to cool a datacenter when outdoor conditions are cool.  
 A. water-side economizer      B. Air-side economizers      C. Hot Aisle      D. Cold Aisle
24. Complete the given levels of decision-making pyramid: Individual, Building, City, National, \_\_\_\_\_  
 A. Local      B. Global      C. CO2      D. carbon emission
25. VOCs stands for  
 A. volatile orange compounds      B. volatile organic compounds  
 C. valid organization corporation      D. valid organic compound
26. Printing ink cannot contain such heavy metals as the following:  
 A. Barium      B. Cadmium      C. Chromium      D. carbonic monoxide
27. Which standard regulates the use of Power Over Ethernet (PoE) technology?  
 A. IEEE 802.11b      B. IEEE 802.3      C. IEEE 802.15.1      D. IEEE 802.6
28. \_\_\_\_\_ are a hybrid between a laptop and a PDA  
 A. Tablet PCs      B. PC      C. mobile phone      D. vacuum tube
29. The \_\_\_\_\_ is a touch-screen computer that allows customers and guests to interact with the company in various ways.  
 A. Nasa surface      B. Microsoft Surface      C. Computer surface      D. Surface
30. CGO means  
 A. Chief Green Officer      B. Chip Green Officer  
 C. Chief Green Operator      D. Chief Green Organization
31. SMART Goals: Specific, Measurable, Attainable, \_\_\_\_\_, Timely  
 A. Randomly      B. Real      C. Realistic      D. Rotation
32. It is not a benefit of certification  
 A. The types of equipment allowed      B. Maximum power consumption  
 C. The materials allowed in equipment      D. power system
33. A \_\_\_\_\_ can be established as a distinct organization to provide shared services to business groups using a customer/supplier model.  
 A. Shared System Center      B. Shared Service Center  
 C. Shared Service Corporation      D. System Service Center
34. A minimum of \_\_\_\_\_ per virtual server is required.  
 A. 257MB      B. 255MB      C. 256MB      D. 220MB
35. Which direction from the European Union prohibits the sale of electronic equipment containing six hazardous materials?  
 A. SIC      B. RoHS      C. MSDS      D. NAIC

**Answer Sheet for Multiple Choice Questions**

Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
1		8		15		22		29	
2		9		16		23		30	
3		10		17		24		31	
4		11		18		25		32	
5		12		19		26		33	
6		13		20		27		34	
7		14		21		28		35	

Marks Obtained: - \_\_\_\_\_

Signature of the Examiner: - \_\_\_\_\_