

- N. B.: (1) **All** questions are **compulsory**.  
 (2) Make **suitable assumptions** wherever necessary and **state the assumptions** made.  
 (3) Answers to the **same question** must be **written together**.  
 (4) Numbers to the **right** indicate **marks**.  
 (5) Draw **neat labeled diagrams** wherever **necessary**.  
 (6) Use of **Non-programmable** calculators is **allowed**.

**1. Attempt any three of the following:**

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- What are the steps involved for Measuring of carbon footprint?
- How hardware deployments can affect the environment?
- Write a note on Equipment Disposal.
- What are the steps taken by JAPAN for managing their own e-waste problem?
- What are the Basel Action Network functions?
- Explain any five e-waste laws of states in US.

**2. Attempt any three of the following:**

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- Write a note on Data De-Duplication and Virtualization.
- Explain MAID and RAID.
- What is polling? Give example.
- List and explain the issues regarding power consumption and cooling costs.
- Explain Hot Aisle (path)/Cold Aisle and Raised Floors.
- List and explain datacenters design and decision making issues.

**3. Attempt any three of the following:**

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- List and explain decision making pyramid with its levels.
- Which things are necessary for environmentally preferable purchasing plan?
- How to find out which products have low levels of toxins?
- Which things are needed to go paperless in organization?
- What is the use of Microsoft Office SharePoint Server 2007? List its features.
- What is Value Added Network? Give its benefits.

**4. Attempt any three of the following:**

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- Explain the recycling problems in China and Africa.
- How to determine the system's long life?
- Which are benefits to leasing the equipment?
- Write a short note on Electronic Product Environmental Assessment Tool(EPEAT) certification.
- What is Blade server? Give its benefits.
- What is the use of Remote Desktop? Explain its components.

**5. Attempt any three of the following:**

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- How CRM segregate the people of organization in group?
- What are the steps involved for good green procurement program?
- Explain characteristics of Software as a Service.
- Explain transitioning four-step process.
- Write a note on SMART goals.
- Which steps are involved to conduct energy audit?