

Q. P. Code : 33402

(2½ Hours)

[Total Marks: 75]

- 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:** 15
 - a. What are the steps involved for Measuring of carbon footprint?
 - b. How hardware deployments can affect the environment?
 - c. Write a note on Equipment Disposal.
 - d. What are the steps taken by JAPAN for managing their own e-waste problem?
 - e. What are the Basel Action Network functions?
 - f. Explain any five e-waste laws of states in US.

2. **Attempt any three of the following:** 15
 - a. Write a note on Data De-Duplication and Virtualization.
 - b. Explain MAID and RAID.
 - c. What is polling? Give example.
 - d. List and explain the issues regarding power consumption and cooling costs.
 - e. Explain Hot Aisle (path)/Cold Aisle and Raised Floors.
 - f. List and explain datacenters design and decision making issues.

3. **Attempt any three of the following:** 15
 - a. List and explain decision making pyramid with its levels.
 - b. Which things are necessary for environmentally preferable purchasing plan?
 - c. How to find out which products have low levels of toxins?
 - d. Which things are needed to go paperless in organization?
 - e. What is the use of Microsoft Office SharePoint Server 2007? List its features.
 - f. What is Value Added Network? Give its benefits.

4. **Attempt any three of the following:** 15
 - a. Explain the recycling problems in China and Africa.
 - b. How to determine the system's long life?
 - c. Which are benefits to leasing the equipment?
 - d. Write a short note on Electronic Product Environmental Assessment Tool(EPEAT) certification.
 - e. What is Blade server? Give its benefits.
 - f. What is the use of Remote Desktop? Explain its components.

5. **Attempt any three of the following:** 15
 - a. How CRM segregate the people of organization in group?
 - b. What are the steps involved for good green procurement program?
 - c. Explain characteristics of Software as a Service.
 - d. Explain transitioning four-step process.
 - e. Write a note on SMART goals.
 - f. Which steps are involved to conduct energy audit?