Q. P. Code : 33400

(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. Write down the steps that can be taken by the work habits of computer users and businesses to minimize adverse impact on the global environment.
b. What different toxins can be found on desktop computer? Also write down where they found?
c. Write a short note on power consumption.
d. List different Task Forces of StEP. Explain any two of them.
e. Write a short note on Basel convention.
f. List five different US states and their laws used to manage e-waste.

**2. Attempt _any three_ of the following:** 15
a. Explain how to reduce power usage by data deduplication and virtualization.
b. Write a short note on Massive Array of idle Disks (MAID).
c. Write a short note on Bubba Server.
d. List different types of economizer. Explain any one.
e. Write down steps you can employ in datacenter to prevent exhaust from being reabsorbed by other devices.
f. Write down different tips to help keep datacenter at the right level of humidity.

**3. Attempt _any three_ of the following:** 15
a. What issues one should know to accept green sourcing?
b. Write the issues to be consider preventing wasted water for an irrigation system in place.
c. How to find a good service provider?
d. Write down different practices for everyone to follow to work smart.
e. What is Microsoft Office SharePoint Server(MOSS)? List and explain its functionalities.
f. Write a short note on Value Added Network(VAN).

**4. Attempt _any three_ of the following:** 15
a. What is refurbishing? Explain its different parts.
b. Explain product life cycle.
c. Write down advantages and disadvantages of buying equipment.
d. Write a short note on Electronic Product Environmental Assessment Tool(EPEAT).
e. Write down advantages of using thin client.
f. Write down the steps to configure remote desktop client.

**[TURN OVER]**

5. Attempt *any three* of the following: 15
a. Write down steps for good green procurement program.
b. What is SaaS? Write down its characteristics.
c. Write down the steps to create virtual server.
d. List and explain different SMART goals.
e. Why to conduct audits? Write down the steps to conduct an energy audit.
f. Explain Quantitative Reviews and Qualitative Reviews.

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