Paper / Subject Code: 77505 / Green Computing.

DT.- 10.4.19.

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?

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