

19/4/18

(Time: 2  $\frac{1}{2}$  hours)

[Marks: 75]



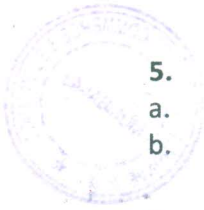
Please check whether you have got the right question paper.

- 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** calculator is **allowed**.

1. Attempt **any three** of the following: 15
- List and explain the various toxins present in computer systems.
  - What is carbon footprint? Briefly explain how to compute company's carbon footprint?
  - Discuss about cost saving in power consumption by desktops and data centers.
  - Write a short note on United Nation's Solving the E-waste Problem (StEP).
  - Discuss the European Union's e-waste management WEEE and its RoHs directives.
  - Write a short note on Basel Action Network.
2. Attempt **any three** of the following: 15
- Explain the features and hardware specification of NorhTec and Excito.
  - How can you minimize excessive power output from wireless devices?
  - Explain the ways of reducing power consumption in storage.
  - How to calculate cooling requirement of a system? Explain using suitable example.
  - Write a note on cooling optimization by data center design.
  - Explain any two best practices that can help optimize the airflow around servers and other networking equipment.
3. Attempt **any three** of the following: 15
- Briefly explain steps in setting up a telecommuting program.
  - Write a note on Environmentally Preferable Purchasing Plan.
  - List the tips to keep water usage under control. List the issues to prevent wasted water.
  - Write a short note on intranet.
  - What is Microsoft Office SharePoint Server 2007?
  - What are the advantages and obstacles in using EDI in an organization?
4. Attempt **any three** of the following: 15
- What is refurbishing? What is commercial and non-commercial refurbishing?
  - Briefly explain the phases of a computer product's life cycle.
  - How to clean a hard drive?
  - Write a note on energy star program for computers.
  - Explain benefits and features of blade server.
  - How to configure a remote desktop server?

[TURN OVER]





5. Attempt any three of the following:

15

- a. How BI tools and MS SQL Server are useful in order to measure and track data?
- b. Write a note on Customer Relationship Management. Explain its technology components.
- c. What is Green Procurement?
- d. Write a note on SMART Goals.
- e. Explain the role of Chief Green Officer?
- f. What is baseline data, benchmarking and data analysis in equipment checkup.