

GC

Q. P. Code: 08232

(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

- a. List and explain the various toxins present in computer systems.
- b. What is carbon footprint? Briefly explain how to compute company's carbon footprint?
- c. Discuss about cost saving in power consumption by desktops and data centers.
- d. Write a short note on United Nation's Solving the E-waste Problem (StEP).
- e. Discuss the European Union's e-waste management WEEE and its RoHS directives.
- f. Write a short note on Basel Action Network.

2. Attempt **any three** of the following: 15

- a. Explain the features and hardware specification of NorhTec and Excito.
- b. How can you minimize excessive power output from wireless devices?
- c. Explain the ways of reducing power consumption in storage.
- d. How to calculate cooling requirement of a system? Explain using suitable example.
- e. Write a note on cooling optimization by data center design.
- f. 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

- a. Briefly explain steps in setting up a telecommuting program.
- b. Write a note on Environmentally Preferable Purchasing Plan.
- c. List the tips to keep water usage under control. List the issues to prevent wasted water.
- d. Write a short note on intranet.
- e. What is Microsoft Office SharePoint Server 2007?
- f. What are the advantages and obstacles in using EDI in an organization?

4. Attempt **any three** of the following: 15

- a. What is refurbishing? What is commercial and non-commercial refurbishing?
- b. Briefly explain the phases of a computer product's life cycle.
- c. How to clean a hard drive?
- d. Write a note on energy star program for computers.
- e. Explain benefits and features of blade server.
- f. 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.