

[Time:2.30 Hrs]		[Marks:75]
Please check whether you have got the right question paper.		
N.B:	1. All question are compulsory. 2. Figures to the right indicate full marks. 3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.	

Q.1	Attempt any three of the following a. What do you mean by Green Computing? Mention the pathways of green IT. b. What are the ways to avoid fossil fuel-based sources of electricity? c. What are the four major steps of measuring carbon footprints? d. Explain the functions of Basel Action Network e. Explain any five e-waste laws of US and Canada. f. Write a short note on- i) Toxin ii) Equipment Disposal	15
Q.2	Attempt any three of the following a. What is MAID? Explain Power-managed RAID? b. Explain the Virtualization in Minimizing power usage? c. Write a short note on Data De-duplication? d. What are the Advantages and Disadvantages of Water and Refrigerant? e. How to prevent recirculation of equipment exhaust? f. Write a short not on cooling cost and power cost?	15
Q.3	Attempt any three of the following a. Explain Process Reengineering with Green in Mind. b. List and explain telecommuting guidelines.	15

	<p>c. Write a note on Recycling.</p> <p>d. What is the use of Portable Document Format?</p> <p>e. Explain the term paperless billing.</p> <p>f. What is Value Added Network? Give its benefits.</p>	
Q.4	<p>Attempt any three of the following</p> <p>a. Write a short note on Refurbishing.</p> <p>b. Give advantages and disadvantages of buying equipment's.</p> <p>c. List and explain different phases of product life cycle.</p> <p>d. List various ways to clean a Hard Drive. Explain any two.</p> <p>e. Write a short note on recycling CDs and DVDs.</p> <p>f. What is the need to study the recycling of drives we used in computers? Explain briefly how we can achieve it.</p>	15
Q.5	<p>Attempt any three of the following</p> <p>a. Explain the characteristics of Software as a Service.</p> <p>b. Explain the concept of Just-in-Time buying in detail.</p> <p>c. Discuss some tools that help in reducing paper usage.</p> <p>d. Explain SMART goals in detail.</p> <p>e. What is a certification program? List different certification programs and explain any one in detail.</p> <p>f. Explain the steps to conduct audits in detail.</p>	15