

- Q. 1** **Attempt any four of the following** **16**
- a. Why should you go green?
 - b. Discuss the environmental impacts of IT.
 - c. What is meant by Green IT? Explain in detail.
 - d. Discuss the life cycle of a device or hardware.
 - e. How do processors C-states save energy?
 - f. Discuss the programming methods used to achieve computational efficiency.
 - g. Write note on Sustainable Software
 - h. How can software impact the environment? Explain

- Q. 2** **Attempt any four of the following** **16**
- a. What is Data center? What are the IT elements of Data Center?
 - b. Write note on Grid Computing.
 - c. What is Virtualization? How it helps in achieving Green IT? Explain
 - d. Why is there an increasing need for green data storage? Explain
 - e. Discuss the objectives of Green networking.
 - f. Discuss the steps in developing Green IT strategy
 - g. What are the Organizational considerations in a Green IT Strategy? Explain
 - h. Explain how SSDs (Solid State Devices) are useful for achieving Green IT.

- Q. 3** **Attempt any four of the following** **16**
- a. What is Sustainable Information Systems? Explain
 - b. Discuss the organizational Green IT Readiness.
 - c. Outline current state of development of sustainable IT services.
 - d. What are the major elements of the Value Chain? Explain
 - e. Write note on Sustainable IT services.
 - f. Discuss different strategies and approaches for Green IT & their managerial implications
 - g. How can green inter-organizational activities be supported with It activities?
 - h. Write note on Sustainable IT Services (SITS).

- Q. 4** **Attempt any Three of the following** **12**
- a. What are the 3 Rs of Green IT? Explain each in brief
 - b. Which are the hazardous chemicals used in manufacturing of electronic devices?
 - c. What is Storage Virtualization? Explain
 - d. What are the different power states of a hard disk? Explain
 - e. Discuss the information systems in greening enterprises.
 - f. Briefly explain the emerging Data Center techniques.