

Time: 3 Hrs

Max Marks: 80

N.B.: (1) Question No. 1 is compulsory.

(2) Attempt any **three** questions out of remaining **five**.

1. (a) What is green network protocol? State its objectives. 5
(b) Express storage media power characteristics. 5
(c) What are the 3R' of Green IT? 5
(d) Explain Sustainable IT roadmap. 5

2. (a) Explain software energy efficiency techniques. 10
(b) What is sustainable software? Explain attributes of software sustainability. 10

3. (a) State and explain Business dimensions for Green IT transformation. 10
(b) Explain Energy Management Techniques for Hard Disks. 10

4. (a) Explain information Assurance and Risk Management. 10
(b) Explain SITS Strategic Framework. 10

5. (a) What is Green IT? Explain with Green IT dimensions. 10
(b) Write short notes on: 10
 i) WEEE
 ii) RoHS Directives.

6. (a) Explain Server power management in Data Center. 10
(b) What is strategic thinking, planning and implementation for green initiatives required in Education sector 10
