

Time: 3 Hours

Max. Marks: 80

1. Question No: 01 is compulsory
2. Attempt any three from Q2 to Q6

- Q1 Solve 5 marks each**
- A Write short note on Green IT 1.0 and 2.0
- B What are the uses of RFID for environment sustainability?
- C Explain various Green IT trends.
- D Describe enterprise-wide environmental sustainability
- Q2 Solve 10 marks each**
- A Describe sustainable IT service (SITS). Explain (SITS) with its value curve.
- B What are the organizational considerations in Green IT Strategy and metrics and measurement in green strategies?
- Q3 Solve 10 marks each**
- A What is role of each component in the green cloud Framework? Why is cloud computing consider to be green?
- B How to calculate the Cooling Needs of any organization? Explain in details.
- Q4. Solve 10 marks each**
- A What is green software? Explain P-state and C-state. How does processor C-state save energy?
- B What do you mean by G-Readiness framework and how you measure an organization G readiness?
- Q5. Solve 10 marks each**
- A Explain the benefits of Energy-Efficiency networks. Describe objective of green network Protocols
- B Explain green data Centre. Describe green data Centre metrics.
- Q6. Solve 10 marks each**
- A What are the various e-waste disposal techniques, and which is the most effective among them and why?
- B Explain roles and responsibilities of task forces setup under StEP program
