

**11105****Code : 15CS54T***Register  
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**V Semester Diploma Examination, April/May-2019****GREEN COMPUTING****Time : 3 Hours ]****[ Max. Marks : 100**

- Instructions :** (i) Answer any **six** questions from Part – A. Each carries **5** marks.  
(ii) Answer any **seven** questions from Part – B. Each carries **10** marks.

**PART – A**

1. Define Green IT. List the benefits of Green IT. 5
2. Describe different dimensions or directions of Green IT. 5
3. Mention The Drivers of environmental sustainability and Green IT. 5
4. Discuss the imports of various chemicals used in manufacturing process of electronic devices. 5
5. Write a note on context awareness in computers. 5
6. List any five issues in interrogating ERP with EMIS systems. 5
7. Mention the four key components of Green IT management. 5
8. Write four criteria to evaluate electronics manufactures employed by Green peace. 5
9. Explain the key benefits of smart Grid. 5

**PART – B**

10. Explain the life cycle of a device or hardware with diagram. 10
  11. Discuss the different methods of data efficiency. 10
  12. Explain different software and database aspects of an EMIS. 10
  13. Explain with diagram the flows and operations of a demanufacturing facility. 10
  14. Explain the different enterprise architecture planning levels with diagram. 10
  15. Explain continuous Risk Management with a neat diagram. 10
  16. Explain REACH and WEEE. 10
  17. Explain with diagram for the global regulating environment for the electrical, electronic and IT sectors. 10
  18. Explain seven-step approach to create Green IT strategy. 10
  19. Write short note on 10
    - (a) Green Engineering
    - (b) Smart buildings and homes
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