

1218**Code : 15CS54T***Register
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V Semester Diploma Examination, April/May-2018**GREEN COMPUTING****Time : 3 Hours]****[Max. Marks : 100**

- Note :** (i) Answer any **six** questions from Part – A. Each carries **five** marks.
(ii) Answer any **seven** questions from Part – B. Each carries **ten** marks.

BETA CONSOLE!**PART – A**Diploma - [All Branches]
Beta Console Education

1. Define Green IT and list the benefits of Green IT. 5
2. Explain the impacts of various chemicals used in manufacturing process of electronic devices. 5
3. What are the different types of processor power states ? 5
4. Explain the four major categories of enablers box Green IT. 5
5. Explain the three steps GQM paradigm. 5
6. List the various functions of Green IT based application. 5
7. Mention the four criteria to evaluate electronics manufacturers employed by Green peace. 5
8. Write a note on Reach. 5
9. List any five principles of Green Engineering. 5

PART – B

10. List and explain six holistic approaches that addresses Green IT with a neat diagram. 10
11. Summarize Reuse, Recycle and Disposal Methods of an Electronic Device. 10
12. Define Computational efficiency. Explain the different programming methods used to achieve computational efficiency. 10
13. Explain different software and database aspects of an EMIS. 10
14. Explain with diagram the flow and operation of a demanufacturing facility. 10
15. With a neat diagram, explain enterprise architecture planning with different layers. 10
16. Explain the Continuous Risk Management with a neat diagram. 10
17. Write a note on : 10
- (i) ROHS
 - (ii) WEEE
18. Explain the various key sustainability and Green IT Trends. 10
19. Outline the seven step approach to create Green IT strategy. 10