

Code : 15CS54T

Register
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V Semester Diploma Examination, Oct./Nov.-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. Explain different types of processor power states. 5
3. Explain Energy Saving Software Technique. 5
4. List the different issues in integrating ERP with EMIS System. 5
5. Explain four major categories of enablers for green IT. 5
6. Explain the three steps GQM paradigm. 5
7. Write a note on Communication and Social Media. 5
8. Mention the functions of Green IT based application. 5
9. List any five principles of Green Engineering. 5

PART – B

10. Explain six holistic approaches that addresses Green IT. 10
11. Describe Reuse, Recycle and Disposal methods of an Electronic device. 10
12. Discuss the different methods of data efficiency. 10
13. Explain with diagram ERP system with modes and relationships. 10
14. Explain with diagram, the flows and operators of a de-manufacturing facility. 10
15. Explain Enterprise Architecture (EA) planning with different layers. 10
16. Explain with diagram of the global regulatory environment for the electrical, electronic and IT sectors. 10
17. Write a note on RoHS and REACH. 10
18. Explain the various key sustainability and Green IT Trends. 10
19. Explain Seven Step Approach to create Green IT strategy. 10
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