Code : 15CS54T

Register Number | | | | | | | |

V Semester Diploma Examination, Nov./Dec. 2017

GREEN COMPUTING

Time : 3 Hours | **| Max. Marks : 100**

Note : (1) Answer any **six** questions from Part – **A**. Each question carries **5** marks.
(2) Answer any **seven** full questions from Part – **B**. Each question carries **10** marks.

PART – A

1. Define Green IT. List the benefits of Green IT. **5**

2. Mention six holistic approaches that addresses Green IT. **5**

3. Explain the 3Rs of Green IT. **5**

4. Explain various e-waste disposal techniques and mention the most effective among them with reason. **5**

5. Explain different types of processor power states. **5**

6. Explain the four major categories of enablers for Green IT. **5**

7. Give the differences between strategic thinking and strategic planning. **5**

8. Mention the several key standards for process and product of Green IT. **5**

9. List any five principles of Green Engineering. **5**

PART – B

10. Explain the life cycle of a device or hardware with a diagram. 10

11. Explain the different programming methods used to achieve computational efficiency. 10

12. Explain with diagram ERP system with modules and relationships. 10

13. Explain with diagram the flows and operations of a de-manufacturing facility. 10

14. Explain Enterprise Architecture Planning (EAP) with different layers. 10

15. Explain the continuous risk management with a neat diagram. 10

16. Explain with diagram for the global regulatory environment for the electrical, electronic and IT sectors. 10

17. Give the differences between RoHS, REAch and WEEE. 10

18. Explain the various key sustainability and Green IT trends. 10

19. Explain seven-step approach to create Green IT strategy. 10
