

No. of Printed Pages : 03

Roll No.

18G9

B.Tech. EXAMINATION, 2024

(Seventh Semester)

(C Scheme) (Main & Re-appear)

(CSE)

CSE423C

GREEN COMPUTING

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit.

Unit I

1. Discuss green computing and various compiler optimization techniques with examples. 15
2. Describe various industry initiatives taken in the context of green computing and its advantages with examples. 15

Unit II

3. Explain the concept of sustainable computing in the context of green computing and its applications using suitable examples. 15
4. Explain various techniques of resource allocation in green computing with examples. 15

Unit III

5. Discuss various tools of monitoring used in grid computing and their advantages with examples. 15

6. Define the term power supply. Discuss the role of power management in green computing and its advantages. 15

Unit IV

7. Explain temporal data mining technique with its advantages and limitations using suitable examples. 15
8. Describe green mobile and the role of minimizing battery computing in the context of green computing with examples. 15