



WEEKLY HOME STUDY PACKAGE - WEEK 2 (12/07/21 – 16/07/21)
YEAR 11 COMPUTER STUDIES
ACTIVITY AND SOLUTION

1. What are the 3 goals of green computing.
 - i. *reduce the use of hazardous materials.*
 - ii. *maximize energy efficiency during the product's lifetime.*
 - iii. *the recyclability or biodegradability of defunct products and factory waste.*

(3 marks)

2. Describe the following paths to green computing:
 - a. Green Use-*Reducing the energy consumption of computers and other information systems as well as using them in an environmentally sound manner.* (2 marks)

 - b. Green Disposal-*Refurbishing and reusing old computers and properly recycling unwanted computers and other electronic equipment.* (2 marks)

 - c. Green Design- *Designing energy – efficient and environmentally sound components, computers, servers, cooling equipment, and data centres.* (2 marks)

 - d. Green Manufacturing-*Manufacturing electronic components, computers, and other associated subsystems with minimal impact on the environment.* (2 marks)

3. Define the term biodegradable.
capable of being decomposed by bacteria or other living organisms and thereby avoiding pollution. (1 mark)