

Attempt all questions. Present your arguments clearly and concisely.

1. Briefly define the following terms: **[5 marks]**
 - a. Sustainable development;
 - b. “The triple bottom line”;
 - c. “Tragedy of the commons”;
 - d. “Design for Environment”;
 - e. “Life-cycle Assessment”.
2. List (and describe with a single sentence) the principal stages of a detailed Life Cycle Assessment. **[4 marks]**
3. You work for a greeting card company that has recently been taken over by a multi-national corporation that has a well-established corporate image as a “green”, environmentally friendly organization. Your first task after the takeover is to lead the design team to develop a new line of “Green Greetings”, i.e. cards for the environmentally conscious consumer. Discuss briefly how you might use the “Design for Environment” formalism to impress your new bosses. **[11 marks]**