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Basic Concepts on Ecodesign

Unit 1: Introduction to Ecodesign

Quiz and Assignment

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1.1 Quiz

- PLEASE, CHOOSE THE CORRECT ANSWER:

1. ¿How would you define Ecodesign?
 - a. A systematic incorporation of environmental aspects into product design.
 - b. A systematic which takes into account environmental aspects and impacts of a product from the purchase of raw materials to its manufacturing.
 - c. A systematic incorporation of environmental aspects into product design, with the aim to reduce its impact through its entire life cycle.

Solution: c.

2. The sustainable development is achieved through the balance between...
 - a. Economic and environmental growth.
 - b. Economic, environmental and social growth.
 - c. Economic growth.

Solution: b.

3. The “life cycle” of a product is...
 - a. The set of consecutive and interrelated stages of a product system, from the purchase of raw materials, or its generation from natural resources, to their final disposal.
 - b. The set of stages of a product system, from its manufacturing to its useful life (final disposal).
 - c. The set of consecutive and interrelated stages of a product system, from the purchase of raw materials to its manufacturing.

Solution: a.

4. The first stage of Ecodesign involves...



- a. The integration of the environmental factor into the overall activity of a product.
- b. The integration of the environmental factor once the materials to manufacture it have been chosen.
- c. The integration of the environmental factor once it is designed.

Solution: a.

5. It is false that Ecodesign seeks...

- a. To boost organisations' competitiveness.
- b. (only) to ensure that a product is more respectful with the environment.
- c. To implement a global environmental concept, integrating a methodology to control, identify and improve all the environmental aspects of a product.

Solution: b.

6. An environmental aspect of a product, activity or service is defined as:

- a. Any element that can interact with the environment.
- b. Any element that can interact with the environment only if Ecodesign is implemented.
- c. None of the above.

Solution: a.

7. An environmental impact of a product, an activity or a service is defined as:

- a. Any bad change in the environment as a consequence of the environmental aspects of an organisation.
- b. The result of an environmental aspect to the environment.
- c. None of the above.

Solution: b.



8. An environmental aspect of a product only generates an environmental impact.
- a. True.
 - b. False.

Solution: b.

9. The life cycle approach in Ecodesign promotes:
- a. The identification of all processes inputs and outputs to increase the environmental impact.
 - b. The identification of all processes inputs and outputs to keep the environmental impact.
 - c. The identification of all processes inputs and outputs to reduce the environmental impact.

Solution: c.

10. The Ecodesign barriers are...
- a. The lack of economic revenue, since its costs are higher.
 - b. The lack of training and information regarding environmental aspects by the workers of the company.
 - c. The lack of attention of society to “green advertising”.

Solution: b.



1.2 Assignment

- Please, describe in your own words which are the advantages and disadvantages of integrating Ecodesign to the design and development of a manufacturing company.

Please, choose a manufacturing company and a product. They will be your reference to complete and develop the coming tasks on the following units of this course.

