Assignment 12

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1) What is the goal of concept selection?
A) Select the best concept
B) Score the best concept
C) Develop the best concept
D) None of the above

[Image: Diagram showing the process of Concept Generation, Concept Evaluation, Concept Selection, and Concept Optimization.]

2) The relative importance of selection criteria is weighted and more refined comparisons with respect to each criterion are carried out in
A) Concept generation
B) Concept evaluation
C) Concept selection
D) All of the above

3) Concept selection has two stages namely
A) Concept evaluation and Concept selection
B) Concept generation and Concept evaluation
C) Concept generation and Concept selection
D) None of the above

4) Pugh’s selection criteria is used to bring down the quantity of concepts generated in the _______ process
A) Concept generation
B) Concept evaluation
C) Concept selection
D) Concept optimization

5) The product concept is given form in the _______
A) Physical and analytical modeling
B) Robust design
C) Dimensional design
D) All of the above

6) A systematic design process is important to
A) Understand what the required input
B) Establish methods to repeatedly complete the activity
C) Understand what the required output
D) All of the above

7) Embodiment design moves the design process to a detailed form, including
A) Geometric layout
B) Material survey
C) Economic
D) Quality and manufacturing issues

8) Behavioral design belongs to which of the following category of design stages
A) Developing the concept
B) Maintaining the concept
C) Understanding the opportunity
D) Implementing the concept

9) Methods for identifying customer needs:
A) Lego-Diablo method
B) Questions, interviews, etc.
C) Affinity diagram
D) Activity diagrams

10) Fill in the empty block in the following product design flow with the appropriate answer
A) Product Specifications
B) Critical needs
C) Concept drawings
D) Overall layout

11) [Diagram showing Testing and refinement, Evaluation, and Interface designs process.]