

Name \_\_\_\_\_

student number \_\_\_\_\_

1. Define Human-Computer Interaction.

2. Explain the differences between Physical, Cognitive and Social Ergonomics.

3. Human Computer Interaction is an interdisciplinary area. List three of the areas involved in Human Computer Interaction.

4. For what do we use Formal Models?

5. Define Sensation and Perception.

6. What are the differences between rods and cones?

7. Explain the three memory systems describing the duration and capability of each of them.

8. About Semantic and Episodic Memory:

- What are the contents of semantic and episodic memory?
- The knowledge about the concept of "house" is in semantic or episodic memory?
- The knowledge I have about the things I did last weekend in is semantic or episodic memory?

9. Define structural and functional mental models.

10. Norman (1983) described some of the properties of mental models. Explain three of these properties.

11. What are the three main activities in the design process?

12. Define Task Model 1 (TM1) and Task Model 2 (TM2).

13. Define Task and Goal.

14. Describe briefly the steps that have to be performed in the Cognitive Walkthrough.

15. Describe three of the Usability Heuristics listed by Nielsen (1993).