Sample Questions

Provide short essay style responses to the following questions.

1. In the context of User Interface Design, what is meant by the term feedback? How should feedback be incorporated into design of user interfaces? Provide examples to illustrate your response.

2. In a meeting with the executives of a computer software company, they decided that they were going to move their usability testing schedule so that it would start several weeks before the beta release. This was mainly due to the fact that they said the testing was expensive and hence could be paid for by budget surpluses discovered at the end of the project. What would be your response? Justify your reasoning.

3. You are required to design a remote control device for a web browser similar in concept to those devices used for controlling a TV or video recorder. This would enable a user to browse the Internet with a wireless remote control.
   - Develop 2 scenarios for the wireless remote system
   - Present a usability test plan that describes how you would conduct a usability evaluation of your design.

4. Describe what is meant by natural mappings. Provide a sketch to illustrate your answer.

5. Discuss the advantages and disadvantages of using a touch screen input technology in a kiosk-based tourist guide system.

6. What is the split attention effect? How can we make use of the split attention effect when designing user interfaces? Sketch examples to support your response.

7. Visual information can be shown in a variety of ways on a computer display. Define and describe a set of design criteria that you would use to arrange a user interface. Sketch examples to support your explanation.

8. Experts can be involved in the design of a user interface. Explain how they may contribute to the design process. What are the advantages and disadvantages of involving an expert?

9. What is keystroke level modelling? When and how would you use keystroke level modelling in the user interface design process? Provide an example illustrating the use of keystroke level modelling.
The following is from the front cover from the final examination.

Time allowed: **3 hours**.

There are **3** multi-part questions of UNEQUAL value.

- Question 1 - 29 marks
- Question 2 - 26 marks
- Question 3 - 45 marks

**ALL** questions are COMPULSORY.

Candidates may bring: Drawing instruments or rules.

The following materials will be provided by the examinations section: Generalised Answer Sheet; Marking Pencil and Eraser

Answer each question in SEPARATE books

Do not write your answers on this examination paper.

Print your name, student number and sign in the space provided above.

**ANSWERS MUST BE WRITTEN IN INK. EXCEPT WHERE THEY ARE EXPRESSLY REQUIRED, PENCILS MAY BE USED ONLY FOR DRAWING, SKETCHING, OR GRAPHICAL WORK.**