2004 Paper 9 Question 1

Human–Computer Interaction

(*a*) If you had been one of the original inventors of the WIMP interface, and engineers on the technical team had been sceptical about the advantages that it would bring, then:

    (*i*) What *two* pieces of empirical evidence could you have presented to sceptics to help convince them? [2 marks]

    (*ii*) Describe the technique that you would use to collect data for *each* of these. [4 marks]

    (*iii*) Describe the technique that you would use to analyse *each* of those data sets. [4 marks]

(*b*) If you were the HCI researcher on a speech interaction project intended to replace the WIMP interface, then

    (*i*) Which of the techniques described above would be most relevant to your work? Why? [3 marks]

    (*ii*) Explain how a modern analytic evaluation method could give design guidance to the team, including a description of how the analysis would be conducted, and *two* design improvements that might result from that analysis. [7 marks]