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]