

CS1Q Exam

Time allowed: 1 hour and 15 minutes

Answer BOTH questions.

1.

a) Please provide BRIEF answers to the following questions:

- i) How does Task Analysis help with the design of user interfaces?
- ii) Describe two problems with formal, lab-based usability evaluations.
- iii) Describe two situations in which a mouse might be preferred over a joystick.
- iv) What impact does cognition have on human-computer interaction.
- v) What is the significance of 7 (+ or – 2) for human-computer interaction?

[2 marks per answer, 10 marks in total]

b) Describe three techniques that you would use to elicit user requirements for a new e-commerce site selling electrical appliances, such as fridges and televisions, to the public.

[3 marks]

c) Would you recommend that this web-site be extended to help users to buy good from this site using a 3G telephone rather than a conventional PC? Justify your answer.

[5 marks]

d) The company have decided to go ahead with the development of an extended web-site to provide access via mobile devices, such as 3G telephones. Write a brief technical report describing how you would conduct a summative evaluation to assess the usability of a final implementation.

[7 marks]