NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF BUILT ENVIRONMENT

BACHELOR OF QUANTITY SURVEYING (HONOURS) DEGREE

PART I FIRST SEMESTER SUPPLEMENTARY EXAMINATIONS MAY 2009

INTRODUCTION TO INFORMATION TECHNOLOGY: AQS 1109

TIME: 3 Hours   **TOTAL: 100**

Instructions to Candidate:

Answer any Four Questions

Question One
a) Describe how an e-mail system emulates the postal system and a telephone –
answering system   (15 marks)

b) Outline any five advantages of computerizing your work world.   (10 marks)

Question Two
a) Why is an operating system known as a master control program?   (10 marks)

b) Discuss the role of anti-virus software in an ICT environment.   (8marks)

c) Would you consider the use of a spelling checker, and perhaps a grammar checker, for
your final documents a sufficient substitute for proof-reading? Explain why or why not.
                                                       (2marks, 5 marks)

Question Three
a) Briefly explain the following terms:
      i.   Multiprocessing
      ii.   System boundary
      iii.   Computer virus
      iv.   System objectives
      v.   CD ROM   (10marks)

b) How do information systems help those organizations employing information and
communications technology (ICT) achieve ethical and social responsibility to the
communities they service?   (5 marks)

c) Explain the purpose of system controls in a business environment?   (10 marks)

Question Four
a) Describe any three methods that can be used to secure data in an information system.
(9 marks)

b) Compare and contrast a spreadsheet system and a database system.   (16 marks)

Question Five
a) Evaluate the use of the Internet in Quantity Surveying.   (15 marks)

b) Outline the criteria used to pick a hardware component to add to your computer
system.   (5marks)

c) Distinguish between application software and development software.   (5 marks)

END OF EXAMINATION