



**NQF
Certificate
2.2 IWC**

Introduction to the World of Computers

Friday 9 December 2016, Morning

1. **Time allowed: 3 hours.**
2. **Answer all questions.**
3. **Questions do not carry equal marks. Marks for subdivisions of questions are shown in brackets.**
4. **No books, dictionaries, notes or any other written materials are allowed in this examination.**
5. **Calculators, including scientific calculators, are allowed provided they are not programmable and cannot store or recall information. All other electronic devices, including mobile phones, are not permitted.**
6. **Candidates who break ABE Examination Regulations will be disqualified from the examinations.**
7. **Question papers must not be removed from the examination room.**



Answer all questions

- Q1** When someone is looking to buy a new personal computer (PC), they will often try to compare what different shops have to offer in order to get best value for their money. To do so they need to understand PC specifications.
- Describe the key components of a modern desktop PC. For each component, explain its importance to the effective functioning of the PC and give a typical value for that component. **(16 marks)**
- Q2** (a) State four examples of software used in a typical office. **(4 marks)**
- (b) For each example given in (a), describe the kinds of business tasks the software is used to perform. **(8 marks)**
(Total 12 marks)
- Q3** For each of the tasks listed below, give an appropriate example of a computing device that could be used to perform this task, along with details of its physical size. Please note that each answer given needs to be different from the others.
- (i) Weather forecasting, through modelling the world's weather systems **(3 marks)**
- (ii) Processing transactions in a bank **(3 marks)**
- (iii) Producing insurance quotations, when visiting customers in their homes **(3 marks)**
- (iv) Taking notes during a lecture or training session **(3 marks)**
(Total 12 marks)
- Q4** (a) (i) Explain what the letters in the term GUI stand for and what a GUI is. **(4 marks)**
- (ii) Name an alternative to the most widely used Personal Computer GUI and describe its features. **(4 marks)**
- (b) Give an example of a Personal Computer GUI you are familiar with and describe how to format a USB disk drive using this GUI. **(4 marks)**
(Total 12 marks)
- Q5** (a) State what the letters in the term URL stand for and describe what a URL is. Ensure that your answer explains the component parts of a URL, through the use of a suitable example. **(8 marks)**
- (b) Describe the component parts of an e-mail address, supporting your answer with a suitable example. **(4 marks)**
(Total 12 marks)

- Q6 (a)** Explain the term 'browser' in the context of computers and explain how a browser differs from a search engine. Support your answer with examples of each. **(6 marks)**
- (b)** Describe how to perform an advanced search on the internet. Support your answer with examples. **(6 marks)**
(Total 12 marks)
- Q7** State four different types of network topology and give one advantage and one disadvantage of each. **(12 marks)**
- Q8 (a)** Explain the importance of keeping your personal information secure when using the internet. **(2 marks)**
- (b)** Identify and explain the five key principles of data protection. **(10 marks)**
(Total 12 marks)

End of question paper

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