



NQF

Certificate

2.2 IWC

Introduction to the World of Computers

Friday 4 December 2015, 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** (a) Explain the term 'input device'. Illustrate your answer with examples of input devices most commonly used with personal computers. **(6 marks)**
- (b) Explain the term 'output device'. Illustrate your answer with examples of output devices most commonly used with personal computers. **(6 marks)**
(Total 12 marks)
- Q2** For each of the computing hardware abbreviations below, expand the term, give an explanation of the term and provide an example:
- (i) DVD drive **(3 marks)**
(ii) GB **(3 marks)**
(iii) GHz **(3 marks)**
(iv) USB **(3 marks)**
(Total 12 marks)
- Q3** Give four examples of distinctly different categories of computers and for each different category describe its typical physical size, and give an example of how this category of computer is used. **(12 marks)**
- Q4** (a) State what the letters in the abbreviation ISP stand for and describe what an ISP does, illustrating your answer with an example of an ISP. **(6 marks)**
- (b) Describe three different methods of connecting to the Internet at home. Include in your answer details of any hardware, software or services needed. **(9 marks)**
(Total 15 marks)
- Q5** (a) Give three examples of data storage media. For each example you give, outline one advantage and one disadvantage of this medium and give one example of the type of data that this storage medium is particularly suited to. **(12 marks)**
- Q6** (a) Distinguish between the Internet and the World Wide Web. **(6 marks)**
- (b) Explain the advantages and disadvantages of e-mail. **(6 marks)**
(Total 12 marks)

- Q7** (a) Explain the term 'browser' in the context of computers and explain how a browser differs from a search engine. Illustrate your answer with examples of each. **(6 marks)**
- (b) Describe how to perform an advanced search on the World Wide Web. Illustrate your answer with examples. **(6 marks)**
(Total 12 marks)
- Q8** (a) Explain the importance of keeping your personal information secure when using the World Wide Web. **(3 marks)**
- (b) Identify and explain the five key principles of data protection. **(10 marks)**
(Total 13 marks)

End of question paper

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