

SECTION A

Answer *all* questions in Section A.

1. (a) State the **two** main types of documentation related to a computer system. [2 marks]
- (b) Outline **two** features of **each** type of documentation. [4 marks]
2. Define *syntax* and *semantics* in relation to programming languages. [4 marks]
3. State **three** software utilities. [3 marks]
4. Explain why software production is normally cyclical. [3 marks]
5. Outline the function of a computer bus. [2 marks]
6. State **three** tasks that may be performed by a compiler. [3 marks]
7. A printed page is to be transferred into a text document without using a keyboard. The resulting document will then be edited using a word processing software package.
  - (a) State **one** hardware device that will be required for the transfer. [1 mark]
  - (b) State what further software package is required. [1 mark]
8. A manual billing system is being replaced by a computerised one in an office. State **one** way in which the staff may be affected by this change. [1 mark]
9. Outline why network protocols are needed. [2 marks]
10. Discuss the differences between sequential access and direct access in relation to retrieving data from files. [4 marks]