ATD LEVEL I

PILOT PAPER

INFORMATION COMMUNICATION TECHNOLOGY

December 2021.   Time Allowed: 3 hours.

Answer any FIVE questions.   ALL questions carry equal marks.

QUESTION ONE
(a)   Discuss five factors to be considered before acquiring an appropriate software for an organisation   (10 marks)

(b)   Explain five benefits in the acquisition of a bespoke software to an organisation.   (10 marks)
                                                                                    (Total: 20 marks)

QUESTION TWO
(a)   Explain five reasons why a computer system may fail to boot.   (10 marks)

(b)   State five ways of ensuring safety of data stored on CD-RW.   (10 marks)
                                                                                    (Total: 20 marks)

QUESTION THREE
A private organisation has decided to acquire a customised/tailor made software for its business operations.

Required:
(a)   Explain the term "customized/tailor made" software.   (2 marks)

(b)   Summarize five advantages of acquiring the software in (3)(a) above.   (10 marks)

(c)   Explain four factors that an organisation should consider when acquiring tailor made software.   (8 marks)
                                                                                    (Total: 20 marks)

QUESTION FOUR
(a)   Identify four input devices that could be used in a supermarket.   (4 marks)

(b)   Explain three ways of classifying computers.   (6 marks)

(c)   Discuss five phases in the information technology infrastructure evolution.   (10 marks)
                                                                                    (Total: 20 marks)

QUESTION FIVE
(a)   Differentiate between "system software" and "application software".   (8 marks)

(b)   Discuss the functions of an operating software.   (8 marks)

(c)   Differentiate between "dynamic memory" and "static memory"   (4 marks)
                                                                                    (Total: 20 marks)

QUESTION SIX
(a)   Discuss four disadvantages of using the internet as a research tool.   (8 marks)

(b)   Explain three factors that a company could consider when choosing an online data storage.   (6 marks)

(c)   Describe three goals of networking computers in an organisation.   (6 marks)
                                                                                    (Total: 20 marks)

QUESTION SEVEN

(a) Explain five factors that could determine the processing power of a computer. (10 marks)

(b) List five external storage devices that could be used to transfer information from one computer to another.
(5 marks)

(c) State five household appliances that could use computer control system. (5 marks)
(Total: 20 marks)