



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)