

THE PUBLIC ACCOUNTANTS EXAMINATIONS BOARD

A Committee of the Council of ICPAU

CPA (U) EXAMINATIONS

LEVEL ONE

INFORMATION TECHNOLOGY – PAPER 5 (I)

WEDNESDAY, 17 DECEMBER 2003

INSTRUCTIONS TO CANDIDATES

1. Time allowed: **2 hours 30 minutes**.
2. Attempt **all** questions in Section **A** and any **three** questions from Section **B**.
3. Section A has **ten** compulsory multiple-choice questions each carrying 1½ marks.
4. Section B has **five** questions and only **three** questions are to be attempted.
Each question carries 15 marks.
5. Please read further instructions on the answer book.

SECTION A

Question 1

- (i) A database that is designed with one table is called:
 - (a) A flat file database.
 - (b) Relational database.
 - (c) Hierarchical database.
 - (d) Indexed database.
- (ii) Which of the following is not an example of a web browser?
 - (a) Netscape Navigator.
 - (b) Internet Explorer.
 - (c) Mosaic.
 - (d) World Wide Web.
- (iii) Which of the following is not a magnetic storage device?
 - (a) Hard disk.
 - (b) CD Rewritable.
 - (c) Diskettes.
 - (d) Tapes.
- (iv) The following are responsibilities of ROM except:
 - (a) Running POST.
 - (b) Loading Master Boot Record.
 - (c) Managing Main Memory.
 - (d) Controlling the boot process.
- (v) Which of the following operating systems is an example of a network operating system?
 - (a) Windows 95 Version 2.
 - (b) Windows 2000.
 - (c) Windows ME.
 - (d) Windows 98.
- (vi) Which of the following is an example of free software?
 - (a) Linux.
 - (b) OS/2.
 - (c) Macintosh.
 - (d) MS DOS.

- (vii) Which of the following is not an example of a “point and click” device?
- (a) Touch Pad.
 - (b) Touch Screen.
 - (c) Keyboard.
 - (d) Joy Stick.
- (viii) While GUIs are popular with end users, they have some constraints such as:
- (i) They need higher memory.
 - (ii) Demand more processor power.
 - (iii) Require greater expertise.
 - (iv) More expensive.
- (a) (i) and (iv).
 - (b) (ii) and (iii).
 - (c) (iii) and (iv).
 - (d) (i) and (ii).
- (ix) One of the basic benefits of computer networking is to:
- (a) share hardware resources.
 - (b) increase work productivity.
 - (c) increase client satisfaction.
 - (d) gain a competitive edge.
- (x) Which of the following is a recommended way to shut down windows?
- (a) Push the power off button.
 - (b) Push the reset button.
 - (c) Use the start Menu.
 - (d) Enter Shut Down at the Command Prompt.

SECTION B

Question 2

The term Information Technology (IT) is a broad term used to refer the various technologies used to convey information. However, today IT is often used to mean computer technology.

Required:

Account for the predominance of computer based IT in business today.

(15 marks)

Question 3

Many times the adoption of computer technology in an organisation results into the creation of new job portfolios and / or abolition of some old ones. Among the new jobs that may result are those of systems analyst, programmer and database administrator.

Required:

- (a) Discuss the role and relevance of a Database Administrator in a business organisation.
(9 marks)
 - (b) What policies should be put in place to ensure that the role of a database administrator is not abused in a business environment?
(6 marks)
- (Total 15 marks)**

Question 4

- (a) Discuss the functionality of word processing in an accounting business environment.
(9 marks)
 - (b) Explain the main limitations of using word processing in producing business information?
(6 marks)
- (Total 15 marks)**

Question 5

- (a) Why is it useful to ensure that Information Technology Systems are secure?
(7.5 marks)
 - (b) How may Information Technology security be ensured?
(7.5 marks)
- (Total 15 marks)**

Question 6

- (a) Distinguish between machine code and assembly language in computer programming.
(3 marks)
 - (b) Explain the advantages that are associated with assembly programming languages.
(4.5 Marks)
 - (c) Explain why fourth generation programming languages may be preferred.
(7.5 marks)
- (Total 15 marks)**