

THE PUBLIC ACCOUNTANTS EXAMINATIONS BOARD

A Committee of the Council of ICPAU

CPA (U) EXAMINATIONS

LEVEL ONE

INFORMATION TECHNOLOGY – PAPER 5 (I)

WEDNESDAY, 18 JUNE 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 $1\frac{1}{2}$ 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) Which of the following is not a secondary storage device?
- (a) RAM.
 - (b) Zip Drive.
 - (c) Hard disk.
 - (d) Floppy diskette.
- (ii) Which of the following operating systems is said to offer greater network security?
- (a) Windows 3.1.
 - (b) DOS.
 - (c) Windows NT.
 - (d) Windows 98.
- (iii) Which of the following is not a component of a computer system?
- (a) Hardware.
 - (b) Software.
 - (c) End users.
 - (d) Memory.
- (iv) Select the components of a computer-processing unit from the following:
- (i) Registers.
 - (ii) Clock unit.
 - (iii) System bus.
 - (iv) Control unit.
 - (v) Arithmetic and logical unit.
 - (vi) Hard disk.
- (a) (i), (ii), (v) and (vi).
 - (b) (i), (ii), (iv) and (v).
 - (c) (ii), (iv), (v) and (vi).
 - (d) (i), (iii), (iv) and (vi).
- (v) The ability of an operating system to open several applications and files at one go is known as:
- (a) Displaying.
 - (b) Networking.
 - (c) Programming.
 - (d) Multi-tasking.

- (vi) Which of following are not windows dialog box options?
- (i) Command button.
 - (ii) Command prompt.
 - (iii) Check box.
 - (iv) Drop down list.
 - (v) Task bar.
 - (vi) Menu bar.
- (a) (i), (iii) and (iv).
(b) (ii), (iii) and (v).
(c) (ii), (v) and (vi).
(d) (i), (iii) and (vi).
- (vii) From the following computer specification information, identify the least powerful computer.
- (a) RAM 256 MB, Hard Disk 20 GB, Fully Multimedia, Processor Speed 2 GHZ.
 - (b) RAM 32 MB, Hard Disk 500 MB, Processor Speed 66 MHZ.
 - (c) Intel Celeron Processor, Hard Disk 1 GB, RAM 64
 - (d) RAM 128 MB; Hard Disk 1.5 GB, Operating System Linux.
- (viii) Which of the following printer types may be classified as an impact printer?
- (a) Laser printer.
 - (b) Ink jet printer.
 - (c) Epson printer.
 - (d) Dot Matrix printer.
- (ix) In computer storage, one character occupies space that is equivalent to a:
- (a) Bit.
 - (b) Byte.
 - (c) Kilobyte.
 - (d) Gigabyte.
- (x) One advantage of using a direct access type of storage device over a sequential one is:
- (a) Faster access.
 - (b) Cost effectiveness.
 - (c) Easier usage.
 - (d) Robustness.

SECTION B

Question 2

While two decades ago, computer talk and use was a preserve of a few people, today business computing is permeating through almost every business enterprises; big, medium or small size.

Required:

Explain the popularity of computer technology with businesses today.

(15 marks)

Question 3

- (a) Explain the growing preference for networked computer systems over stand alone workstations?

(9 marks)

- (b) When may the use of computer networks be undesirable in business computing?

(6 marks)

(Total 15 marks)

Question 4

- (a) Giving examples define and explain the relevance of an operating system in a computing environment.

(9 marks)

- (b) Explain why it is important to follow the correct procedure when shutting down a computer system?

(6 marks)

(Total 15 marks)

Question 5

Write short notes on the following:

- (a) Software and hardware portability. **(3 marks)**

- (b) Systems implementation. **(3 marks)**

- (c) Computer security. **(3 marks)**

- (d) Spreadsheet workbook. **(3 marks)**

- (e) Real time computing. **(3 marks)**

(Total 15 marks)

Question 6

- (a) Define the term database. **(1.5 marks)**

- (b) Discuss the benefits of an electronic database over a paper based one? **(7.5 marks)**

- (c) What challenges are associated with the use of electronic databases? **(6 marks)**

(Total 15 marks)