

THE PUBLIC ACCOUNTANTS EXAMINATIONS BOARD

A Committee of the Council of ICPAU

CPA (U) EXAMINATIONS

LEVEL ONE

INFORMATION TECHNOLOGY – PAPER 5 (I)

THURSDAY, 23 JUNE 2005

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) All the following storage devices have the same access mode except:
 - (a) Magnetic Tape.
 - (b) Floppy Diskette.
 - (c) DVD Read/Write.
 - (d) Hard Disk.
- (ii) One of the advantages of deploying Fibre Optic Technology in data transmission is:
 - (a) Ease of laying the optic fibre.
 - (b) Low maintenance cost.
 - (c) Fast Data Transmission.
 - (d) Highest security transmission.
- (iii) Which of the following is not a function of an operating system?
 - (a) Detecting and correcting errors.
 - (b) Protecting a computer against viruses.
 - (c) Providing interface between user and computer system.
 - (d) Bridging hardware with software.
- (iv) One difference between the Disk Operating System (DOS) and the Windows Operating System is that:
 - (a) DOS requires more memory.
 - (b) DOS is a GUI.
 - (c) Windows is simpler.
 - (d) DOS is command based.
- (v) Which of the following can be used to drag a window to a different location on the computer desktop?
 - (a) Title Bar.
 - (b) Task Bar.
 - (c) Menu Bar.
 - (d) Start Menu.
- (vi) Which of the following is an example of an Internet address?
 - (a) ICPAU @ Internet.ac.ug.
 - (b) http//: icpau.www.net.
 - (c) http://www.finance.go.ug.
 - (d) http://ccd.ss.mak.ac.ug.

- (vii) From the following list, select the responsibilities of ROM in a computer system:
- (i) Managing Main Memory.
 - (ii) Loading the Master Boot Record.
 - (iii) Controlling the boot process.
 - (iv) Running POST.
 - (v) Performing AntiVirus Updates.
- (a) (i), (ii) and (v).
(b) (ii), (iii) and (iv).
(c) (ii), (iv) and (v).
(d) (i), (iii) and (iv).
- (viii) Which of the following operating systems is an example of “free ware”?
- (a) McIntosh.
 - (b) Windows 3.1.
 - (c) Linux.
 - (d) MS DOS.
- (ix) Which of the following is an example of an application programme?
- (a) Windows XP.
 - (b) OS/2.
 - (c) Ms. Front Page.
 - (d) A word processor.
- (x) Which of the following views allows for editing a graphic in an MS Word document?
- (a) Normal View.
 - (b) Print Layout View.
 - (c) Web Layout View.
 - (d) Outline View.

SECTION B

Question 2

- (a) With examples, distinguish between a database management system and an operating system.
(5 marks)
- (b) Explain the importance of a database management system.
(10 marks)
- (Total 15 marks)

Question 3

- (a) Explain the reasons for continued use of stand alone computer systems in business enterprises in spite of the advantages of networked Information Technology Systems.
(6 marks)
- (b) Why would you advise a business to network its computer system?
(9 marks)
- (Total 15 marks)

Question 4

- (a) Discuss the significance and shortcomings of prototyping in a systems development life cycle.
(7.5 marks)
- (b) How relevant is a systems designer/analyst in a systems development process?
(7.5 marks)
- (Total 15 marks)

Question 5

Millennium Enterprises Limited has decided to launch an international e-commerce business drive as a way of revamping its business profitability. You have been approached by Millennium Enterprises Ltd for advice.

Required:

Using your knowledge of information technology, offer suggestions on the benefits and outline associated security risks of adopting e-commerce.

(15 marks)

Question 6

Property Sisters Limited is a successful real estate business that often requires generating hard copies of its business information. You have been assigned the task of choosing between acquiring a dot matrix or a laser jet printer for the company.

Required:

Citing advantages and disadvantages of both types of printers, show the criteria you would use to choose a printer for the company.

(15 marks)