

THE PUBLIC ACCOUNTANTS EXAMINATIONS BOARD

A Committee of the Council of ICPAU

CPA (U) EXAMINATIONS

LEVEL ONE

INFORMATION TECHNOLOGY – PAPER 5 (I)

THURSDAY, 24 JUNE 2004

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) Which of these is not a typical feature of a graphical user interface (GUI).
 - (a) Windows.
 - (b) Command Prompt.
 - (c) Pull Down Menu.
 - (d) Icons.
- (ii) Which of the following is most likely to ensure that an information system meets corporate organisational objectives?
 - (a) Develop the system on the basis of existing technological limitations.
 - (b) Ensure views of the technology department experts take precedence.
 - (c) Carry out prototyping even if end users are not technical experts.
 - (d) Ensure the solution is technically efficient and cost effective.
- (iii) All the following are components of the Central Processing Unit (CPU) except;
 - (a) Primary Memory.
 - (b) Secondary Memory.
 - (c) Arithmetic Unit.
 - (d) Control Unit.
- (iv) The processing power of a super computer is often measured in units known as:
 - (a) Giga Flops.
 - (b) Processor Cycles.
 - (c) Mega Bits.
 - (d) Giga Bytes.
- (v) Which of the following is not a typical example of an electronic data transmission media
 - (a) Coaxial Cable.
 - (b) Satellite.
 - (c) Microwave.
 - (d) Modem.
- (vi) Which of the following is not a magnetic storage device?
 - (a) CD ROM.
 - (b) Floppy Diskette.
 - (c) Tape.
 - (d) Hard disk.

- (vii) One of the shortcomings of using Micro Wave in data transmission is
- (a) Low bandwidth.
 - (b) Low reliability in data transmission.
 - (c) Demands line of sight positioning.
 - (d) Long distance necessary for cabling.
- (viii) All the following are components of the world wide web (WWW) except
- (a) Servers
 - (b) Text Documents
 - (c) Browsers
 - (d) Operating Systems
- (ix) Which of these is a basic role of a systems designer?
- (a) Assessing customer needs
 - (b) Managing systems development
 - (c) Specifying software modules
 - (d) Systems problem definition
- (x) Which of the following is an essential distinguishing component of a graphical user interface?
- (a) Disks
 - (b) Function Keys
 - (c) Command Prompts
 - (d) Icons

SECTION B

QUESTION 2

With specific examples, illustrate the benefits of information technology systems in a business environment. **(15 marks)**

QUESTION 3

Distinguish between main frames and Personal Computers (PCs). Discuss the advantages that have accrued to business organisations as a result of the development of digital PC technology

QUESTION 4

With examples explain what you understand by:

- i. A computer system **(2 marks)**
- ii. An information system **(2 marks)**

How important is an OS in computer system? **(9 marks)**

QUESTION 5

What do you understand by the following terms?

Intranet (2 marks)

- i. Internet (2 marks)
- ii. Computer Network (2 marks)

Why is computer networking increasingly becoming a preferred business computing option?

QUESTION 6

Explain what you understand by Voice Data Entry (VDE) **(3 marks)**

Describe the various applications of VDE in business today **(6 marks)**

What are the limitations of VDE usage? **(6 marks)**