

THE PUBLIC ACCOUNTANTS EXAMINATIONS BOARD

A Committee of the Council of ICPAU

CPA (U) EXAMINATIONS

LEVEL ONE

INFORMATION TECHNOLOGY – PAPER 5 (I)

THURSDAY, 13 DECEMBER 2007

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 **six** 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 both an input and output hardware?
 - (a) Keyboard.
 - (b) Printer.
 - (c) Screen.
 - (d) Scanner.
- (ii) Which of the following is an example of an operating system?
 - (a) MS Windows.
 - (b) MS Excel.
 - (c) MS Word.
 - (d) MS Publisher.
- (iii) User requirements in a typical systems development life cycle are defined during:
 - (a) problem identification.
 - (b) implementation.
 - (c) documentation.
 - (d) design.
- (iv) Which of the following is **NOT** a key example of a computer security measure?
 - (a) Passwords.
 - (b) Networking.
 - (c) Anti Virus.
 - (d) Fire walls.
- (v) A world-wide computer network is usually referred to as the:
 - (a) extranet.
 - (b) wide area network.
 - (c) internet.
 - (d) intranet.
- (vi) One of the key distinguishing characteristics of a personal digital assistant (PDA) is that it is:
 - (a) fast.
 - (b) portable.
 - (c) with high memory.
 - (d) cheap.

- (vii) Which of the following is the basic unit for measuring computer memory?
- (a) Kilobyte.
 - (b) Mega byte.
 - (c) Watts.
 - (d) Byte.
- (viii) Computer networking is growing due to its advantages. Which of the following is an advantage of a computer network?
- (a) Information sharing.
 - (b) Enhanced security.
 - (c) Quality output.
 - (d) Virus protection.
- (ix) Which of the following are **NOT** examples of database application programs?
- (i) Microsoft Access.
 - (ii) Fox pro.
 - (iii) Word Star.
 - (iv) Dbase IV.
- (a) (i) and (ii).
 - (b) (ii) and (iv).
 - (c) (ii) and (iii).
 - (d) (i) and (iv).
- (x) The following storage devices have the same file access methods **EXCEPT**:
- (a) Diskettes.
 - (b) Magnetic tapes.
 - (c) Re-writable CDs.
 - (d) Hard disks.

SECTION B

Question 2

- (a) Under what circumstances is a questionnaire considered the most appropriate fact finding method in systems development?
(7 marks)
 - (b) Explain the advantages and disadvantages of using questionnaires as a fact finding method during systems development.
(8 marks)
- (Total 15 marks)

Question 3

- (a) What is data processing?
(2 marks)
 - (b) Differentiate between centralized data processing and decentralized data processing.
(6 marks)
 - (c) What factors are considered when selecting a data processing method?
(7 marks)
- (Total 15 marks)

Question 4

As a person knowledgeable in information technology, you have been assigned the duty of acquiring computer equipment and software for your accounting firm.

- (a) Explain the factors you would consider in choosing the kind of hardware for your company to buy.
(5 marks)
 - (b) Give **four** examples of off-the-shelf accounting packages that you would recommend for your organisation.
(2 marks)
 - (c) Discuss challenges that your organisation may face in implementing a new computerized system?
(8 marks)
- (Total 15 marks)

Question 5

Write short notes on the following giving **two** examples in each case:

- (a) Input devices. (3 marks)
 - (b) Output devices. (3 marks)
 - (c) Software. (3 marks)
 - (d) Hardware. (3 marks)
 - (e) Computer viruses. (3 marks)
- (Total 15 marks)

Question 6

- (a) Briefly distinguish between the following:
- (i) Hard copy and soft copy. (2 marks)
 - (ii) Local Area Network and Wide Area Network. (2 marks)
 - (iii) Systems software and Application software. (2 marks)
 - (iv) Data and information. (2 marks)
 - (v) Spreadsheet and a database. (2 marks)
- (b) Give at least **five** functions of an operating system.

(5 marks)

(Total 15 marks)

Question 7

- (a) What is a computer system?
- (b) Explain the main parts of a computer system.
- (c) What are the advantages of a computerized accounting system over a manual one in a commercial environment?

(3 marks)

(8 marks)

(4 marks)

(Total 15 marks)