

# THE PUBLIC ACCOUNTANTS EXAMINATIONS BOARD

*A Committee of the Council of ICPAU*

## INFORMATION TECHNOLOGY – PAPER 5 (i)

### CPA(U) EXAMINATIONS

**JUNE 2001**

#### 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 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) The following are programming languages except:-
  - (a) HTML.
  - (b) C
  - (c) ACCESS.
  - (d) Visual Basic.
- (ii) Which of the following is a presentation software?
  - (a) Lotus 123.
  - (b) Power Point.
  - (c) PageMaker
  - (d) MS.Word.
- (iii) One of the advantages of a dot-matrix printer is that it is:-
  - (a) Able to handle bigger volumes of work.
  - (b) Cheap.
  - (c) Easy to repair.
  - (d) Fast.
- (iv) Which of the following is an operating system designed for personal micro computers?
  - (a) Windows Me.
  - (b) Windows NT.
  - (c) Unix.
  - (d) Solaris.
- (v) The following have the same access mode except:-
  - (a) Magnetic Disk.
  - (b) Floppies.
  - (c) Magnetic tape.
  - (d) RAM.

- (vi) Which of the following database designs allows for minimal data redundancy?
- (a) Relational.
  - (b) Hierarchical.
  - (c) Network.
  - (d) PC. Based.
- (vii) Which of the following is true about MS-DOS?
- (a) It is application software.
  - (b) It is network – designed software.
  - (c) It is Multi-user support software.
  - (d) It is Stand-alone PCs software.
- (viii) One of the following is least likely to offer protection against remote access to data. Which one is it?
- (a) Passwords.
  - (b) Encryption.
  - (c) Back-ups.
  - (d) User number.
- (ix) Which of the following type of networks is most suitable for a small business located in one building?
- (a) MAN.
  - (b) LAN.
  - (c) WAN.
  - (d) INTERNET.
- (x) The storage space occupied by an equivalent of a character is usually a:-
- (a) Byte.
  - (b) Disk.
  - (c) Track.
  - (d) Sector.

**SECTION B**

**Question 2:**

- (a) Explain the term 'user' as used in business systems development. **(3 marks)**
  - (b) Discuss why it is important to involve end users in the information systems development process of a business organisation. **(12 marks)**
- (Total 15 marks)**

**Question 3:**

*Kwikmoney, a leading retail business has been enjoying a rapidly growing business clientele. As a result, management has decided that data be stored electronically with immediate effect.*

- (a) What advantages will Kwikmoney enjoy by storing its data electronically?
- (b) Explain any problems that might arise from management's decision to store data using computer technology?

**(15 marks)**

**Question 4:**

*Development in information and communication technology has altered the way business is conducted and impacted on the way people interact.*

**Required:**

Discuss with examples, the main developments in communications that have influenced the conduct of business today.

**(15 marks)**

**Question 5:**

- (a) Distinguish between a database and a database management system. **(5 marks)**
- (b) When may a database management package be preferred over a spreadsheet application package in business computing? **(10 marks)**

**(Total 15 marks)**

**Question 6:**

Explain the importance of the following:-

- (a) Systems analysis.
- (b) Prototyping.

**(15 marks)**