

**INSTITUTE OF COST AND MANAGEMENT ACCOUNTANTS  
OF PAKISTAN**

FOUNDATION-I EXAMINATION—SUMMER, 2003

Wednesday, the 21st May, 2003

**1229**

**COMPUTER SYSTEMS**

*Time Allowed—3 Hours*

*Maximum Marks—50*

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- (i) Attempt ALL questions.
- (ii) Answer must be neat, relevant and brief.
- (iii) In marking paper, the examiners take into account clarity of exposition, logic of arguments, presentation and language.
- (iv) Read the instructions printed on the top cover of answer script CAREFULLY before attempting the paper.
- (v) DO NOT write your Name, Reg. No. or Roll No. anywhere inside the answer script.
- (vi) There will also be a practical examination of 50 marks.
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		Marks
Q. 1	(a) Differentiate between hardware and software.	4
	(b) Describe the components of the CPU.	4
Q. 2	Describe the following :	8
	i) LAN	
	ii) MAN	
	iii) WAN	
	iv) Intranet	
Q. 3	(a) Briefly explain the following :	4
	i) ROM	
	ii) PROM	
	iii) EPROM	
	iv) EEPROM	
	(b) What are device drivers and why are they required ?	4

*P.T.O.*

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	Marks
Q. 4 Explain the following, giving at least three examples of each :	
i) High level language.	4
ii) Low level language.	4
Q. 5 Define and differentiate between the following :	
i) Interpreter and Compiler.	4
ii) Data and Information.	4
Q. 6 Choose the most appropriate answer :	10
i) _____ is a contraction of 'binary digit'. It can have the value of either 0 or 1.	
(a) Bit	(b) Byte
(c) Word	(d) Digit
ii) A device that generates periodic signals utilized to control the timings of a computer is called _____.	
(a) Pulse	(b) Gates
(c) Circuit	(d) Clock
iii) A graphic diagramming tool that uses a few simple symbols to illustrate the flow of data among external entities, processing activities and data storage elements, is called _____.	
(a) Flow Chart	(b) Data Flow Diagram
(c) System Flow Chart	(d) PERT
iv) A terabyte is approximately equal to _____.	
(a) 1000 MB	(b) 100 GB
(c) 1000 KB	(d) 1000 GB
v) A person who gives access to a system illegally is known as _____.	
(a) Computer programmer	(b) Hacker
(c) System Analyst	(d) Coder

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- vi) A piece of hardware (device) used to read bar codes is called \_\_\_\_\_.
- (a) Magnetic Code Reader    (b) Scanner  
(c) Optical Code Reader    (d) Bar Reader
- vii) A combination of programs that coordinates the actions of a computer is called \_\_\_\_\_.
- (a) DBMS                      (b) Operating System  
(c) Interpreter              (d) Compiler
- viii) Moving among a number of networks that is linked together or inter-worked is called \_\_\_\_\_.
- (a) Browsing                (b) Chating  
(c) Surfing                  (d) Exploring
- ix) The process of scrambling a data or convert it, prior to transmission, into a secret code that masks the meaning of the data to unauthorised user is known as \_\_\_\_\_.
- (a) Encryption              (b) Transmission  
(c) Translation              (d) Modulation
- x) A catalogue that lists and describes all types of data flowing through a system, composes data element and a data structure is called \_\_\_\_\_.
- (a) Data                      (b) Data Files  
(c) Data Base                (d) Data Dictionary

THE END

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