

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

FOUNDATION-II EXAMINATION-SPRING (SUMMER), 2004

Wednesday, the 26th May, 2004

1946

MANAGEMENT INFORMATION SYSTEMS-II

Time Allowed—3 Hours

Maximum Marks—75

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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, language and use of clear diagram/chart where appropriate.
- (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 be a computer based practical examination on Peachtree Accounting of 25 marks.
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- | | Marks |
|----------------------------------------------------------------------------------------------------------|-------|
| Q. 1. Choose the correct answer from the following : | 10 |
| (i) When a regular entity-type contains a/an _____, two new relations are created. | |
| (a) Multivalued attributes | |
| (b) Composite attributes | |
| (c) Associated entity | |
| (d) Customer relation | |
| (ii) _____ are the rules by which a network operates and controls the flow and priority of transmission. | |
| (a) Protocols | |
| (b) Modems | |
| (c) Message switching | |
| (d) Buffers | |

P.T.O.

(iii) _____ describes what a system should do to meet the information need of users.

- (a) System Analysis
- (b) System Design
- (c) Requirement Analysis
- (d) Functional Analysis

(iv) A/an _____ is a special type of compiler that translates and executes each statement in a program one at a time.

- (a) Interpreter
- (b) Assembler
- (c) HTML
- (d) Debugger

(v) The glue that holds together various components of an E-R model are :

- (a) Relationships
- (b) Attributes
- (c) Cardinality constraints
- (d) Databases

(vi) Multiplexer is a communication processor that allows :

- (a) A single communication channel to carry simultaneous data transmissions from many terminals.
- (b) A single communication channel to carry one way data transmissions from many terminals.
- (c) A single communication channel to carry simultaneous data transmissions from only one terminal.
- (d) A single communication channel to carry simultaneous data transmissions in one building only.

(vii) Which one of the following types of testing would determine whether program changes have introduced errors that did not exist before?

- (a) Integration testing
- (b) Unit testing
- (c) System testing
- (d) Regression testing

- (viii) The term which describes a category of extremely powerful computer systems specially designed for scientific, engineering and business applications requiring extremely high speed for massive numeric computations, is called _____ .
- (a) Supercomputers
 (b) Intelligent computers
 (c) AI computers
 (d) Numeric computers
- (ix) Using an expert system involves an interactive computer-based session in which the solution to a problem is explored, with expert system acting as _____
- (a) consultant to an end user
 (b) data warehouse to an end user
 (c) passive source to an end user
 (d) none of above
- (x) Computer crime is the threat caused by the criminals or irresponsible actions of computer users, who are taking advantage of the :
- (a) Widespread use of computer networks in our society.
 (b) Widespread use of pirated software packages in our society.
 (c) Widespread use of computer viruses in our society.
 (d) Widespread use of public domain software packages in our society.
- Q. 2. (a) Describe Information Resource Management. 2
- (b) Explain the fundamental role of Information Systems in terms of the support they provide to an organisation. 4
- (c) Explain 'boundary', 'environment' and 'interface' of a system. 4
- Q. 3. Write Short Notes on the following :
- (a) Human Resource Information Systems 4
 (b) Expert Systems 4
 (c) Neural Networks 4
- Q. 4. (a) Briefly discuss the benefits and limitations of interactive marketing on the Internet for a business ? 3
- (b) Define the responsibilities of a System Analyst with respect to information technology ? 3

	Marks
Q. 5. (a) What are the advantages of E-Commerce to organizations, consumers and to the society ?	5
(b) Explain B 2 B and B 2 C E-Commerce ?	5
Q. 6. (a) What are Data Warehouses ? How they are used for data mining ?	8
(b) Discuss the term 'outsourcing' in the context of Information Management. Can it be considered as a measure of cost-effectiveness ? Give your comments.	7
Q. 7. (a) For systems, project feasibility is assessed in following three principal ways :	6
(i) Technical Feasibility	
(ii) Operational Feasibility	
(iii) Economic Feasibility	
Define each of the above.	
(b) Differentiate between 'process-oriented' and 'data-oriented' approaches to systems development.	6

THE END