

INSTITUTE OF COST AND MANAGEMENT ACCOUNTANTS OF PAKISTAN



Spring (Summer) 2009 Examinations

Wednesday, the 20th May 2009

INFORMATION SYSTEMS & I.T. AUDIT – (S-602)

Stage-6

Time Allowed – 2 Hours 45 Minutes

Maximum Marks – 56

- (i) Attempt ALL questions.
- (ii) Answers must be neat, relevant and brief.
- (iii) In marking the question 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 computer based practical examination of 10 marks and presentation of a project of 20 marks, which form the part of this paper.
- (vii) Question No.1 – “Multiple Choice Question” printed separately, is an integral part of this question paper.

SECTION –“A”		MARKS
Q.2 (a)	The data communication provides the underpinning of network and electronic commerce. Explain how the data transmits from one computer to another with reference to OSI model?	07
(b)	Information systems depend on software resources to help end-users use computer hardware to transform data into information products. What are the different types of such software resources? Explain each by illustrating various examples.	07
Q.3 (a)	Illustrate some benefits of using expert systems by different organizations. What are the problems faced during the development and usage of an expert system?	05
(b)	A software development life cycle (SDLC) is a logical process that ‘System Analysts’ and ‘System Developers’ use to develop software packages. What is the purpose of using SDLC? Explain different phases of SDLC.	05
(c)	One of the tools of software development is prototyping. How does prototyping help the software engineers in software development?	04

PTO

SECTION –“B”

- Q.4 (a)** What are the typical categories of authentication? What is two-factor authentication? Give an example. What are TOKEN based authentication devices? Briefly describe their working. Which category of authentication they belong to and how? **07**
- (b)** Describe the significance for IS auditor to ensure that hiring and termination procedures are clear and comprehensive. How an IS auditor can ensure whether these procedures are being practiced? **07**
- Q.5 (a)** Briefly describe how laws and regulations affect IS audit? How IS auditors would perform to determine an organization's level of compliance with external requirements? **05**
- (b)** How unnecessary system outages resulting from system configuration can be controlled? How IS auditors can ensure that the appropriate controls are present in this regard? How media controls address the media transportation, storage, reuse, and disposal activities? Give media control example for each type of activity. **05**
- (c)** What is contracting? Define different elements of a contract? What is the purpose of these contracts besides third-party outsourcing? **04**

THE END