INSTITUTE OF COST AND MANAGEMENT ACCOUNTANTS OF PAKISTAN

SPRING (SUMMER) 2008 EXAMINATIONS

Sunday, the 25th May, 2008

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.

Marks

SECTION –"A"

Q.2 (a) It is a fact that the majority of enterprises could not succeed without the possession of data concerning their external environment and their internal operations. How can the use of data flow diagrams aid enterprises through the provision of better quality decision – making information?   **4**

(b) A system must pass the ACID test to be considered as a true transaction processing system. What are the properties of ACID test?   **5**

(c) Fuzzy logic system deals with "approximate reasoning". Does it make sense to apply it to control systems? Why or why not?   **5**

Q.3 (a) The accuracy of the outcome of a cost-benefit analysis is dependent on how accurately costs and benefits have been estimated. Inaccurate cost-benefit analysis may be argued to be a substantial risk in planning, because inaccuracies of the size documented are likely to lead to inefficient decisions. What are the causes of inaccuracies in cost and benefit estimations?   **6**

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(b) ABC Software Company has to develop a software automation system for a local textile company with a very basic IT infrastructure. Is it a good idea to develop prototype of the system before developing full – fledged system? Discuss.   **4**

(c) The biggest concern with the biometric security is the fact that once a fingerprint or any other biometric source has been compromised it is compromised for life, because user can never change their fingerprints. Is this concern valid? Discuss with reasoning.   **4**

SECTION –"B"

Q.4 (a) Describe automated evaluation techniques along with their complexity levels applicable to continues online auditing. Also mention the circumstances under which each type can be used.   **7**

(b) What are the physical and logical access points that need to be checked for unauthorized exposures of critical IT assets?   **7**

Q.5 (a) Give details of active and passive attacks with two examples of each type?   **4**

(b) Why a proper configuration for firewalls is essential?   **3**

(c) Describe the purpose of library control software.   **7**

The End