

INSTITUTE OF COST AND MANAGEMENT ACCOUNTANTS OF PAKISTAN



Spring (August) 2012 Examinations

Thursday, the 30th August 2012

INFORMATION SYSTEMS & I.T. AUDIT – (S-602)
STAGE-6

Time Allowed – 2 Hours 45 Minutes

Maximum Marks – 56

Roll No.:

- (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 inside 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.
- (viii) **Question Paper must be returned to the invigilator before leaving the examination hall.**

MARKS

SECTION – “A”

- Q. 2 (a)** What are five major components of an idealized expert system? Expert system logic combines forward chaining and backward chaining. Explain **10**
- (b)** Distinguish between data base and data modeling. Give an example through illustrating basic entity-relationship diagram tool for data modeling. **05**
- Q. 3 (a)** The systems in organisations are built and maintained in terms of four phases. Illustrate these phases. Also list out the common reasons of project failure for each phase. **08**
- (b)** Define ‘Business Intelligence (BI)’. Identify its area of application. Three main factors have been responsible for increasing use of BI as a distinct field of IT. Explain these factors. **06**

SECTION – “B”

- Q.4 (a)** ‘Testing’ is an essential part of the development process. Discuss testing and the elements of a software testing process. Enlist various types of testing. **08**
- (b)** A large-scale data conversion requires considerable analysis, design and planning. Discuss the necessary steps for a successful data conversion. **06**

PTO

MARKS

- Q.5 (a)** A recovery strategy identifies the best way to recover a system (one or many) in case of interruption including disaster, and provides guidance for developing recovery alternatives. There are different strategies and recovery alternatives available. Explain the most common recovery alternatives. **07**
- (b)** General controls apply to all areas of the organization including IT infrastructure and support services. Discuss. **06**

THE END