

Test Series: September, 2013

MOCK TEST PAPER – 1

FINAL COURSE: GROUP – II

PAPER – 6: INFORMATION SYSTEMS CONTROL & AUDIT

Question No. 1 is compulsory.

*Attempt any **five** questions from the remaining **six** Questions.*

Time Allowed – 3 Hours

Maximum Marks – 100

1. ABC Ltd. is a leading company engaged in the manufacturing of various automobile parts having its sales offices in various major cities of India. The company is facing the problems relating to its data management on real time basis in spite of having various stand-alone computerized systems. To overcome these problems, the company engaged a Technical Consultant to prepare a detailed report regarding the issues and their possible solutions. The consultant called a meeting of all the stakeholders and deliberated in-depth for various issues. Afterwards, he prepared a detailed report and submitted to the top management of the company. The key recommendation was to implement a real time ERP package, which equips the enterprise with necessary capabilities to integrate and synchronize the isolated functions into streamlined business processes in order to gain a competitive edge in the volatile business environment. In addition, the other major suggestion was to consider information security related issues on top priority while going to implement ERP package. He further suggested that the best practices of information security should be implemented *right from the inception* of the system, which will in turn provide a more secure system having capabilities like *resistance, tolerance and recovery* against any malicious event.

Read the above carefully and answer the following:

- (a) What is the main problem faced by ABC Ltd.? Also explain the major suggestions given by the Technical Consultant.
 - (b) What will be the benefits by implementing the ERP package in your opinion? Write any five.
 - (c) Discuss 'Big Bang' and 'Phased' implementation techniques of ERP packages in brief.
 - (d) Authentication is a key issue relating to Information Security. Discuss 'Authentication of Electronic Records' in the light of Section 3 of Information Technology (Amendment) Act 2008. (5 × 4 = 20 Marks)
2. (a) Describe the weaknesses of Prototyping Approach in brief. (8 Marks)
- (b) Explain the role of IS Auditors in Software Acquisition/Selection Process. (4 Marks)

- (c) Discuss 'Power of Controller to give directions' with reference to Section 68 under Information Technology (Amendment) Act 2008. (4 Marks)
3. (a) What are the major limitations of Management Information Systems (MIS) in your opinion? (8 Marks)
- (b) Explain Preventive Information Protection with the help of examples. (4 Marks)
- (c) System Analysts use various fact-finding techniques for determining the needs/requirements of their clients. Discuss these techniques in brief. (4 Marks)
4. (a) Discuss the tasks to be undertaken in the 'Vulnerability Assessment and definition of Requirement' phase while developing a Business Continuity Plan. (8 Marks)
- (b) Describe major points, which are required to be taken into consideration for Physical and Environmental Security with reference to Information Security Policy. (4 Marks)
- (c) What do you mean by Preventive Controls? Explain with the help of examples. Also discuss the broad characteristics of preventive controls in brief. (4 Marks)
5. (a) What do you understand by a Decision Support System (DSS)? Briefly explain three major characteristics of a DSS. (8 Marks)
- (b) Discuss the detailed control objectives of Communications and Operations Management with reference to Information Security Management System (ISMS). (4 Marks)
- (c) Explain the advantages of continuous audit techniques in brief. (4 Marks)
6. (a) Describe various categories of enablers under COBIT 5 (8 Marks)
- (b) Discuss any four threats due to cyber crimes in brief. (4 Marks)
- (c) Explain the key activities of 'Do Phase' of ISMS. (4 Marks)
7. Write short notes on any **four** of the following:
- (a) Application Level Firewalls
- (b) Adaptive Maintenance
- (c) Delphi Approach for Risk Assessment
- (d) 'Service Design' under ITIL V3
- (e) Section 7: Retention of Electronic Records under Information Technology (Amendment) Act 2008 (4 × 4 = 16 Marks)