

Test Series: September, 2012

MOCK TEST PAPER – 2

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. XYZ Industries Ltd. is a company engaged in a business of manufacturing and supply of electronic equipments to various companies in India. It intends to implement e-Governance system in its various departments. In this connection, a system analyst is engaged to conduct requirements analysis and investigation of the present system. The company's new business models and new methods presume that the information required by the business managers is available all the time; it is accurate and reliable. The company is relying on Information Technology for information and transaction processing. It is also presumed that the company is up and running all the time on 24 x 7 basis. Hence, the company has decided 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 company also intends to keep all the records in digitized form to make available the same any time anywhere basis.
 - (a) What do you mean by system requirements analysis? What are the activities to be performed during system requirements analysis phase?
 - (b) What are the business risks that an organization faces when migrating to real time integrated ERP system?
 - (c) What are the points that need to be taken into account for the proper implementation of physical and environmental security in respect of Information System Security?
 - (d) What is the provision given in Information Technology (Amended) Act 2008 for the retention of electronic records?
(5 × 4 = 20 Marks)
2.
 - (a) What are the controls, which are used in case of acquisition of a software system. Explain in brief.
(8 Marks)
 - (b) Describe the detailed controls and objectives of System Development and Maintenance under ISMS.
(4 Marks)
 - (c) Discuss the power to authorize to monitor and collect traffic data or information through any computer resource for Cyber Security with respect to Section 69B of Information Technology (Amendment) Act, 2008.
(4 Marks)

3. (a) Discuss any four benefits of Office Automation Systems. (4 Marks)
- (b) Discuss the points, which are required to be taken into consideration for access control relating to Information Security Policy. (8 Marks)
- (c) What do understand by adaptive and preventive maintenance? Explain in brief. (4 Marks)
4. (a) Discuss four major categories under which various strategies are made to manage the risk. (4 Marks)
- (b) Differentiate between incremental and differential backup. (4 Marks)
- (c) 'Waterfall Model has several advantages over others because in this model, an orderly sequence of activities is followed throughout the life cycle. But, on the other hand, it has some severe weaknesses also. What are those weaknesses? Explain in brief. (8 Marks)
5. (a) 'The effectiveness and efficiency of the system maintenance process is evaluated with the help of some metrics'. Explain these metrics in brief. (4 Marks)
- (b) Discuss 'Acquire and Implement' domain relating to COBIT. (4 Marks)
- (c) What is Information? Discuss any seven attributes of information in brief. (8 Marks)
6. (a) Describe the weaknesses associated with Packet Filtering firewalls. (4 Marks)
- (b) Differentiate between Cold Site and Hot Site. (4 Marks)
- (c) What is SCARF? What types of information is collected by using SCARF by the auditors? (8 Marks)
7. Write short notes on any four of the following:
 - (a) Data Privacy Policies
 - (b) Worms
 - (c) Emergency Plan
 - (d) Role of an IS Auditor in evaluating Logical Access Controls
 - (e) HIPAA (4 × 4 = 16 Marks)