

Test Series: October, 2013

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 the business of manufacturing and supplying of electronic equipments. It intends to implement E-Governance system at all of its departments. 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 intends to keep all the records in digitized form.

Read the above carefully and answer the following:

- (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 may face while 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) XYZ Ltd., primarily engaged in games development is in the process of automation of its various business processes. After considering all the relevant factors, the technical consultant of the company recommended to follow a combination of prototyping and waterfall model for the project implementation. Identify the model and explain its basic principles. (8 Marks)
- (b) What is the major content of a permanent audit file? Explain in brief. (4 Marks)

- (c) Explain 'Application for License' with reference to Section 22 under the Information Technology (Amendment) Act, 2008. (4 Marks)
3. (a) Describe the major characteristics of an effective Management Information System (MIS). (8 Marks)
- (b) What are the major compliance testing areas that should be outlined by an Audit Policy? Explain in brief. (4 Marks)
- (c) Management should establish acquisition standards that address the same security and reliability issues as development standards. What are the issues that should be focused by Acquisition standards? (4 Marks)
4. (a) Discuss the points, which are emphasized by the methodology for developing a Business Continuity Plan. (8 Marks)
- (b) What are the minimal issues that should be addressed by an Information Security Policy? (4 Marks)
- (c) What do you mean by Corrective Controls? Discuss the main characteristics of corrective controls in brief. (4 Marks)
5. (a) What do you mean by an Expert System? Explain some of its business applications. (8 Marks)
- (b) Discuss detailed control objectives of 'Communications and Operations Management' with reference to Information Security Management System (ISMS). (4 Marks)
- (c) Explain the disadvantages and limitations of continuous audit techniques in brief. (4 Marks)
6. (a) Describe various tasks covered under the second phase of developing a business continuity plan i.e. 'Vulnerability Assessment and definition of requirement'. (8 Marks)
- (b) What are the major categories of the risk management strategies? Explain in brief. (4 Marks)
- (c) During the review of hardware, how will you review the hardware acquisition plan? (4 Marks)
7. Write short notes on any **four** of the following:
- (a) Proxy Server Firewalls
- (b) Corrective and Adaptive Maintenance
- (c) Scoring Approach for Risk Assessment
- (d) Time Bomb and Logic Bomb
- (e) Data Dictionary (4 × 4 = 16 Marks)