

Test Series: February, 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. 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) As per recent industry trends, Agile methodology has become a good choice for software development community. There is no doubt to say that it has various strengths as well but on the other hand, it has certain weaknesses too. Briefly explain the weaknesses of this methodology. (8 Marks)
- (b) Discuss the set of skills, which is generally expected from an IS Auditor. (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) There is a practical set of principles to guide the design of measures and indicators to be included in an Executive Information System (EIS). Explain those principles in brief. (8 Marks)
- (b) Discuss the detailed controls and objectives of System Development and Maintenance 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) Discuss the major questions, which should be answered while stating the scope under SDLC. (8 Marks)
- (b) What are the major categories of the risk management strategies? Explain in brief. (4 Marks)
- (c) Explain the 'Level 5- Optimizing Level' with reference to CMM. (4 Marks)
7. Write short notes on any **four** of the following:
- (a) Proxy Server Firewalls
- (b) Preventive Maintenance
- (c) Scoring Approach for Risk Assessment
- (d) 'Acquire and Implement' domain of COBIT
- (e) Data Dictionary (4 × 4 = 16 Marks)