

Test Series: August, 2012

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 Ltd. is a leading company in FMCG sector and has a large number of coffee chains across India. The company uses ERP system for all its business operations and for recording sales at each outlet. The company has customized ERP, which is connected to a central server. 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, it is reliable and no unauthorized disclosure of the same is made. Further, it is also presumed that the virtual business organization is up and running all the time on 24×7 basis. However, in reality, the technology-enabled and technology-dependent organizations are more vulnerable to security threats in this highly connected world.

Read the above carefully and answer the following:

- (a) 'An ERP system is not only the integration of various organization processes; rather any system has to possess few key characteristics to qualify for a true ERP solution'. What are these characteristics?
 - (b) 'Access Control plays a key role in the implementation of information security policies'. Explain its detailed controls and objectives.
 - (c) Describe 'Power to authorize to monitor and collect traffic data or information through any computer resource for Cyber Security' with respect to the Section 69B of Information Technology (Amendment) Act, 2008.
 - (d) Briefly explain the tasks that are to be performed during the post-implementation phase of an ERP package. (5 × 4 = 20 Marks)
2. (a) A Company is offering a wide range of products and services to its customers. It relies heavily on its existing information system to provide up-to-date information. The company wishes to enhance its existing system. You being an information system auditor, suggest how the investigation of the present information system should be conducted so that it can be further improved upon. (8 Marks)
- (b) Discuss the controls, which are to be in place for acquisition of a software system? (4 Marks)

- (c) What is Digital Signature? How does the Information Technology (Amendment) Act 2008 enable the authentication of records using digital signatures? (4 Marks)
3. (a) Describe the major limitations of a Management Information System (MIS). (8 Marks)
- (b) What are the major issues that should be addressed by an Information Security Policy. (4 Marks)
- (c) Discuss the major strengths of agile methodologies. (4 Marks)
4. (a) What do you understand by the term Business Impact Analysis (BIA)? Discuss the major tasks, which are to be undertaken in this phase? (8 Marks)
- (b) What should be the components of a good Security Policy? Explain in brief. (4 Marks)
- (c) Discuss the set of major skills that is generally expected from an IS Auditor in your opinion? (4 Marks)
5. (a) What is Executive Information System? Briefly discuss its major characteristics. (8 Marks)
- (b) What are the points that are required to be kept in mind by an IS Auditor while working with logical access control mechanisms? (4 Marks)
- (c) Explain the advantages of continuous audit techniques in brief. (4 Marks)
6. (a) Discuss various fact finding techniques, which are used by the system analysts for determining the requirements of a system (8 Marks)
- (b) What do you understand by systematic and unsystematic risks? Explain in brief (4 Marks)
- (c) Explain the 'Level 1- Initial Level' with reference to CMM. (4 Marks)
7. Write short notes on any **four** of the following:
- (a) Corrective Controls
- (b) White Box Testing
- (c) Delphi Technique for Risk Assessment
- (d) HIPAA
- (e) Phased Implementation (4 × 4 = 16 Marks)