

Test Series: March, 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. ABC Ltd is a global BPO offering financial and accounting services to customers across the globe. It primarily caters to the back office accounting requirements of its parent company based in US with operations in India, SriLanka, South Africa, China, Malaysia, Singapore and Mauritius. The company provides outsourced financial services such as general bookkeeping and specific accounting area support (accounts payable, accounts receivable, general ledger) to multiple legal entities across the globe. Having established its success in managing the accounting requirements of the highly distributed branch office network of its parent company, the company is all set to expand its scope of operations to offer similar services to other clients as well on 24×7 basis. For this, the company is in the process of implementing a globally recognized ERP solution, which could meet the requirements of the customers and fit into the business processes. The company requires a robust, secure and flexible solution that could unify its bifurcated process and help them to achieve greater operational efficiency.

Read the above carefully and answer the following:

- (a) 'Many post-implementation problems from an ERP solution occur due to wrong expectations and fears. Explain some popular expectations in brief?
- (b) What is Change Control Process with respect to system development? Also explain its associated risks.
- (c) Describe the controls and objectives of System Development and Maintenance in brief.
- (d) 'For appropriate implementation of information security at various levels, organizations require security policies, which should cover various issues.' What are these issues that should be covered by a security policy? Explain in brief.

(5 × 4 = 20 Marks)

2. (a) 'Audit is done to protect entire system from the most common security threats'. Explain these threats in brief. (4 Marks)
- (b) Describe the contents of a permanent audit file in brief. (4 Marks)

- (c) Discuss the *Acceptance of Digital Signature Certificate* with respect to Section 41 of Information Technology (Amendment) Act, 2008. (8 Marks)
3. (a) 'An expert system is highly quality DSS that utilizes knowledge, generally possessed by an expert to share a problem and accordingly, these systems are having various benefits'. Discuss any four major benefits of Experts Systems. (4 Marks)
- (b) Explain controls and objectives of Access Control in brief. (4 Marks)
- (c) Explain the weaknesses of Waterfall model. (8 Marks)
4. (a) Discuss Delphi Technique of Risk Assessment in brief. (4 Marks)
- (b) 'If a third part site is to be used for backup and recovery purposes, security administrators should ensure that a contract is written to cover various issues'. What are those issues? (4 Marks)
- (c) What are the major issues, which should be considered by the financial institutions while utilizing PKI Policies and Controls? (8 Marks)
5. (a) Explain any four benefits of Office Automation Systems. (4 Marks)
- (b) 'A threat is an action, event or condition with the potential to cause harm to an information system in the form of destruction, disclosure, adverse modification of data and denial of services'. Discuss the threats to the computerized environment by providing suitable examples. (8 Marks)
- (c) What is Unit Testing? Explain different categories of tests that a programmer typically performs on a program unit. (4 Marks)
6. (a) Describe Recognition of Foreign Certifying Authorities with respect to the Section 19 of Information Technology (Amendment) Act, 2008. (4 Marks)
- (b) What do you understand by Application Level Firewalls? Also explain its primary disadvantages. (4 Marks)
- (c) What are the major points, which are to be evaluated while reviewing the adequacy of data security controls? (8 Marks)
7. Write short notes on any **four** of the following:
- (a) TPS Components
- (b) Operational Feasibility
- (c) Preventive and Perfective Maintenance
- (d) Role of an IS Auditor in evaluating Logical Access Controls
- (e) Advantages of Continuous Audit Techniques (4 × 4 = 16 Marks)