

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. PQR Enterprises is engaged in a business of manufacturing of electronic products. The company is in the process of automation of its various business processes. During this automation, technical consultant of the company suggested to perform the risk assessment activity and accordingly, to mitigate the assessed risks. Basically, risk assessment seeks to identify 'which business processes and related resources are critical to the business', 'what threats or exposures exist, that can cause an unplanned interruption of business processes', and 'what costs accrue due to an interruption'. There are various analytical procedures that are used to determine various risks, threats, and exposures, faced by an organization. These are known as Business Impact Analysis (BIA) and Risk Impact Analysis (RIA). In addition, the consultant also emphasized the need for implementation of information security policies to have security assurance up to an optimum level.

Read the above carefully and answer the following:

- (a) Define Systematic Risks and Unsystematic Risks with the help of examples.
 - (b) There are various techniques that are available to assess and evaluate risks, namely, Judgment and Intuition, Delphi Approach, Scoring, and Quantitative Techniques. Explain Delphi and Scoring approaches in brief.
 - (c) In automation of the business modules, retention of electronic records is an important activity. How Information Technology (Amendment) Act 2008 addresses this issue with reference to its Section 7?
 - (d) 'Access Control plays a key role in the implementation of Information Security Policies'. Explain its detailed controls and objectives. (5 × 4 = 20 Marks)
2. (a) ABC Limited has recently migrated to real-time Integrated ERP System. As an IS Auditor, advice the company as to what kinds of business risks it can face? (8 Marks)
- (b) 'While performing an IS Audit, the Auditor should make sure that various objectives are met'. Briefly describe them. (4 Marks)

- (c) How does the Information Technology (Amendment) Act 2008 enable the authentication of records using digital signatures? (4 Marks)
3. (a) Describe the main pre-requisites of a Management Information System, which make it an effective tool. (8 Marks)
- (b) Discuss 'Physical and Environmental Security along with its detailed Controls and Objectives' with respect to information Security Policy? (4 Marks)
- (c) What are the advantages of prototyping approach? Explain in brief. (4 Marks)
4. (a) What do you understand by the term 'Disaster'? What procedural plan do you suggest for disaster recovery? (8 Marks)
- (b) What should be the components of a good Security Policy? Explain in brief. (4 Marks)
- (c) Discuss the major challenges involved in ERP implementation. (4 Marks)
5. (a) What is information? Briefly discuss its attributes. (8 Marks)
- (b) 'Auditors need to determine which audit procedures related to information systems controls are needed to obtain sufficient, appropriate evidence to support the audit findings and conclusions. It also provides some factors to assist the auditor in making this determination'. Explain those factors, in brief. (4 Marks)
- (c) Explain the information developed in the testing phase that an auditor should document. (4 Marks)
6. (a) Bring out the reasons as to why the organizations fail to achieve their Systems Development Objectives? (8 Marks)
- (b) How many types of system's back-up techniques are available? Briefly explain each one of them. (4 Marks)
- (c) Explain the basic types of Information Protection that an Organization can use. (4 Marks)
7. Write short notes on any **four** of the following:
- (a) CASE Tools
- (b) Data Dictionary
- (c) Technical Feasibility
- (d) Firewall
- (e) Hacking (4 × 4 = 16 Marks)