OLD COURSE
FINAL COURSE- GROUP II

PAPER – 6: INFORMATION SYSTEMS CONTROL AND AUDIT
SYLLABUS: 50%

Question paper

Question No.1 is compulsory.Candidates are also required to answer any five questions from the remaining six questions.

Maximum time: 3 hours   **Maximum Marks:** 100

1. PCA Ltd. is in the development of web applications for various domains. For the development purposes, the company is committed to follow the best practices suggested by SDLC. A system development methodology is a formalized, standardized, documented set of activities used to manage a system development project. It refers to the framework that is used to structure, plan and control the process of developing an information system. Each of the available methodologies is best suited to specific kinds of projects, based on various technical, organizational, project and team considerations.

    Read the above carefully and answer the following:
    (a) Describe accountants' involvement in development work in brief.(8 marks)
    (b) 'Waterfall approach is one of the popular approaches for system development'. Explainthe basic principles of this approach. (6 marks)
    (c) Briefly describe major characteristics of Agile Methodology. (6 marks)

2.
(a) You are appointed by a leading enterprise to assess and to evaluate its system of IT internal controls. What are the key management practices to be followed to carry out the assignment complying with COBIT 5?   (6 marks)

(b) Discuss the objectives and goals of Business Continuity planning. (6 marks)

(c) What do you understand by IT Governance? Write benefits of IT Governance. (4 marks)

3.
(a) What is "Information Security"? State the core objectives and importance of Information Security. (12 marks)
(b) Briefly explain various types of system's back-up for the system and data together. (4 marks)

4.
    (a) Discuss the areas, which should be reviewed by internal auditors as a part of the review of Governance, Risk and Compliance.   (6 marks)
    (b) Discuss the various backup options considered by a security administrator when arranging alternate processing facility. (6 marks)
    (c) What are the repercussions of cyber frauds on an enterprise? (4 marks)

5.

(a) Describe key management practices for implementing risk management. (6 marks)
(b) Explain the objectives of Business Continuity Management Policy briefly. (6 marks)
(c) Discuss various types of Information Security policies. (4 marks)

6.
(a) What do you understand by classification of information? Explain different classifications of information. (6 marks)
(b) Discuss the key management practices, which are required for aligning IT strategy with enterprise strategy. (6 marks)
(c) Differentiate between General and Application controls. Also mention the broad categories into which the first can be subdivided. (4 marks)

7. Write short notes on any four of the following: (4 marks each)

(a) Explain the term 'risk' with reference to Information Systems.

(b) Define the term 'Hacking' computer Fraud and Abuse technique.

(c) Explain the term 'attack' with reference to Information Systems.

(d) Write short note on 'Risk Assessment'.

(e) Define the term 'Datadiddling' computer Fraud and Abuse technique.