1. A shoe manufacturing company PQR in India decided to widespread its business in 10 other countries globally. At the same time, the management proposed to launch its own website to provide an interactive and easy to navigate pages that incorporate some important features like Search Engine, Mobile compatibility, elaborate homepage, customization and personalization of individual pages for its customers, dealers and staff. However, within 3 months of the launch of website, there appeared to be mishandling of the website due to which the confidential details of some of its stakeholders were leaked in the market. The management decided to discontinue with the website for some time and hired a team of Information Systems Auditors to zero down the problem area.

(a) The development of the website involved determining the ways in which users will interact with a system i.e. a User-friendly Interface Design. As an IS Auditor, prepare a checklist that lists down the important factors which should have been considered by the system analyst while designing user input/output forms. (8 Marks)

(b) During the audit, an IS Auditor Mr. X observed that there was a huge security breach and no Audit Trail of the website was maintained for the three months for which the website was operational. Suggest the security objectives that could have been achieved by maintaining the Audit Trail. (6 Marks)

(c) As an IS Auditor, mention the factors that must be verified during audit or self-assessment of the enterprise’s BCM program. (6 Marks)

2. (a) Discuss any two examples of Decision Support Systems (DSS) in accounting. (6 Marks)

(b) Discuss different types of audits that may be conducted during system development process. (6 Marks)

(c) Discuss the activities that are included during Business Continuity Plan (BCP) testing once the Business Continuity Plans are developed. (4 Marks)

3. (a) Discuss Information Technology Infrastructure Library (ITIL) and its framework. (6 Marks)

(b) Discuss the significance of “Delineation of Scope” activity under the phase “Preliminary Investigation” of System Development Life Cycle (SDLC). (6 Marks)

(c) Differentiate between the terms “Threat” and “Attack”. (4 Marks)

4. (a) What do you understand by the term “Community Cloud”? Discuss its characteristics. (6 Marks)

(b) Discuss the key Governance practices which are required for implementing Governance of Enterprise IT (GEIT). (6 Marks)

(c) What are the activities undertaken in First Phase “Pre-Planning Activities (Project Initiation)” during the development of a Business Continuity Plan (BCP). (4 Marks)

5. (a) Explain various components of Internal Control. (6 Marks)

(b) Discuss various applications of Data Mining. (6 Marks)
6. (a) Discuss the categories of Information Systems’ Audit.
(b) Discuss the activities involved in implementing Business Continuity in the Enterprise and Maintenance.
(c) Differentiate between Manual System and Automated System.

7. Write short note on any four of the following:
(a) [Section 7A] of Information Technology Act 2000
(b) Application Controls
(c) Objectives of Systems Requirements Specification (SRS)
(d) Detection Risk
(e) Components of Web 3.0