1. LQM International University proposes to launch its own website to provide an interactive and easy to navigate pages that incorporate some important features like Robust Search Engine, Mobile compatibility, elaborate homepage, customization and personalization of individual pages for employees and students etc.

   (a) The development of the website must be a formalized, standardized, well organized and documented set of activities used to manage a website development project. Though different methodologies are available that are best suited to specific kinds of projects based on various technical, organizational, project and team considerations; each methodology has certain common characteristics. List them.

   (6 Marks)

   (b) Discuss the System Development Controls that need to be placed while developing the System.

   (10 Marks)

   (c) What do you think can be the role of IT in enterprises?

   (4 Marks)

2. (a) Discuss major limitations of Management Information Systems (MIS).

   (6 Marks)

   (b) Discuss various categories of Information Systems Audit.

   (6 Marks)

   (c) Discuss the objectives of Information Technology Act, 2000.

   (4 Marks)

3. (a) While doing audit or self-assessment of the BCM Program of an enterprise, briefly describe the matters to be verified.

   (6 Marks)

   (b) Discuss the design principles that are applied to develop the Physical design of Information Systems.

   (6 Marks)

   (c) What are the major benefits of IT Governance in organizations?

   (4 Marks)

4. (a) In spite of the controls in an Information System on place, there could be a possibility that a control might fail and a disaster occurs. When disaster strikes, it still must be possible to recover operations and mitigate losses using the last resort controls - A Disaster Recovery Plan (DRP) and Insurance. Discuss about them in detail.

   (6 Marks)

   (b) Discuss the key management practices, which are required for aligning IT strategy with enterprise strategy.

   (6 Marks)

   (c) Discuss the limitations of Mobile Computing.

   (4 Marks)

5. (a) Discuss the strategy of Risk Management.

   (6 Marks)

   (b) Discuss the impact of Information Technology (IT) on Information Systems for Financial Service Sector.

   (6 Marks)

   (c) An important task for the auditor as a part of his/her preliminary evaluation is to gain a good understanding of the technology environment and related control issues. Explain major aspects that should be considered in this exercise?

   (4 Marks)
6. (a) Discuss the critical audit considerations that an Information Systems (IS) auditor should take into account while conducting his/her audit of Environmental Controls. (6 Marks)

(b) Discuss the activities involved in implementing Business Continuity in the Enterprise and Maintenance. (6 Marks)

(c) Discuss the classification of Information Systems’ Controls based on their interactive behaviour. (4 Marks)

7. Write short note on any four of the following:

(a) [Section 5] of Information Technology Act 2000
(b) Encryption
(c) Economic Feasibility
(d) Security Management Controls
(e) Different instances of Software as a Service (SaaS) Services (4 x 4 = 16 Marks)