ICMA
Pakistan

INFORMATION SYSTEMS AND I.T. AUDIT (ML-303)
SEMESTER- 3

Time Allowed: 02 Hours 30 Minutes	Maximum Marks: 80	Roll No.:

(i) Attempt all questions.

(ii) Answers must be neat, relevant and brief.

(iii) In marking the question paper, the examiners take into account clarity of exposition, logic of arguments, effective presentation, language and use of clear diagram/ chart, where appropriate.

(iv) Read the instructions printed inside the top cover of answer script CAREFULLY before attempting the paper.

(v) DO NOT write your Name, Reg. No. or Roll No., or any irrelevant information inside the answer script.

(vi) **Question Paper must be returned to invigilator before leaving the examination hall.**

MARKS

Q.2 (a) A traditional system development life cycle (SDLC) approach is made up of a number of distinct phases, each with a defined set of activities and outcomes. Identify the phases and discuss in detail the purpose of each phase and the general activities performed by each phase. **12**

(b) Assume that you are helping an IT manager of a supermarket in managing databases. What different methods of accessing data you will use for their databases? **06**

Q.3 (a) Discuss the various types of E-commerce models. E-commerce highly depends on the existence of a level of trust between two parties to avoid risk factor. State the most important elements of risk in E-commerce. **09**

(b) Wireless transmission does not need a fixed physical connection because it sends signals through air or space. Discuss the four common types of wireless transmissions with their applications' differences in scale and complexity. **06**

Q.4 (a) Outsourcing is one of the business practices and strategies of organizations to reduce operational cost and concentrate on its core business areas. Cloud computing is one of the techniques of outsourcing. Elaborate different cloud computing service models. Discuss the advantages, disadvantages and business risks related to outsourcing. **08**

(b) Adequate planning is necessary in performing effective IS audit. Discuss the various types of audits, internally or externally, and the audit procedures associated with each audit that an IS auditor should understand. **08**

Q.5 (a) Disaster recovery planning "DRP" is a continuous process. When the normal production facilities become unavailable, the business may utilize alternate facilities to sustain critical processing until the primary facilities can be restored. Discuss the most common recovery alternatives in detail. **10**

(b) You have been assigned to audit a multinational company having its offices around the globe. Discus the areas of IS auditing which should be kept in mind while performing audit of any global presence company. **09**

PTO

Q.6 The most critical factor in protecting information assets and privacy is laying the foundation for effective information security management. Identify and discuss at least six key elements of information security management system. **12**

THE END