Roll No. ....

Total No. of Questions – 7

Total No. of Printed Pages – 4

Time Allowed – 3 Hours

Maximum Marks – 100

MRT

Answers to questions are to be given only in English except in the case of candidates who have opted for Hindi Medium. If a candidate has not opted for Hindi medium, his/her answers in Hindi will not be valued.

Question No. 1 is compulsory.

Candidates are also required to answer any **five** questions from the remaining **six** questions.

Marks

1. XYZ Ecom Ltd. is establishing an E-commerce platform to enable business to customer (B2C) process on-line. This platform will offer safe integrated supply process by e-linking suppliers, customers and bankers / payment gateways. The company proposes to keep the system 24 × 7 working over internet. All concerned will be first registered with the databases of the company. All the data shall be stored across servers on internet based cloud environment in a secured manner.

Read the above carefully and answer the following :

(a) If the employees of the company are allowed to use personal devices   5

     such as laptop, smart-phones, tablets etc. to connect and access the data,

     what could be the security risks involved ? Classify and elaborate such

     risks.

(b) What are the advantages of using cloud computing environment ?   5

(c) In this company, what are your functions as an IS auditor ?   5

(d) List and explain the advantages of using continuous audit techniques   5

     for the proposed system.

2. (a) 'MIS supports the managers at different levels to take decisions to   6

         fulfill the organizational goals.' Explain the major characteristics of

         MIS to achieve these goals.

    (b) Explain the various plans that need to be designed for Business   6

         Continuity Management.

    (c) 'IT has to provide critical inputs to meet the information needs of all the   4

         stakeholders.' Define IT Governance and list out its benefits.

3.   (a)   What is the role of IT in enterprises ? Explain the different levels of   6

     managerial activity in an enterprise.

     (b)   You have been associated with a system analysis team. Describe the   6

     important factors that you will consider while designing user input

     forms.

     (c)   Briefly describe the key management practices provided by COBIT 5   4

     for ensuring IT compliances.

4.   (a)   'Crimes are committed by using computers and can damage the   6

     reputation, morale and even the existence of an organization.' What are

     the problems do you think that any organisation can face with the result

     of computer crimes ?

     (b)   What are the factors influencing an organisation towards controls and   6

     audit of computers ?

     (c)   As a member of IS Steering Committee, how do you classify the   4

     information for better integrity and security ?

5. (a) What is meant by Information Security Policy ? What are the   6

components of a good security policy ?

(b) Describe the categories of tests that a programmer typically performs   6

on a program unit.

(c) As per IT (Amended) Act, 2008, describe the power to make the rules   4

by Central Government in respect of Electronic Signature.

6. (a) As an IS auditor, what are the environmental controls verified by you,   6

while conducting physical inspections ?

(b) What is the need for an expert system in an organization ? What are its   6

benefits ?

(c) Describe the service strategy of ITIL framework.   4

7. Write short notes on any **four** of the following :   4×4
    =16

(a) Objectives of IS audit.

(b) Metrics of risk management.

(c) SDLC

(d) Third party site for backup and recovery.

(e) Components of ERP model.

MRT