

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 :

(2)

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- (a) If the employees of the company are allowed to use personal devices 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. 5
- (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 for the proposed system. 5
2. ✓ (a) 'MIS supports the managers at different levels to take decisions to fulfill the organizational goals.' Explain the major characteristics of MIS to achieve these goals. 6
- (b) Explain the various plans that need to be designed for Business Continuity Management. 6
- ✓ (c) 'IT has to provide critical inputs to meet the information needs of all the stakeholders.' Define IT Governance and list out its benefits. 4

(3)

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3. (a) What is the role of IT in enterprises ? Explain the different levels of managerial activity in an enterprise. 6
- (b) You have been associated with a system analysis team. Describe the important factors that you will consider while designing user input forms. 6
- (c) Briefly describe the key management practices provided by COBIT 5 for ensuring IT compliances. 4
4. (a) 'Crimes are committed by using computers and can damage the 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 ? 6
- (b) What are the factors influencing an organisation towards controls and audit of computers ? 6
- (c) As a member of IS Steering Committee, how do you classify the information for better integrity and security ? 4

(4)

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Marks

5. (a) What is meant by Information Security Policy ? What are the components of a good security policy ? *functional* 6
- (b) Describe the categories of tests that a programmer typically performs on a program unit. 6
- (c) As per IT (Amended) Act, 2008, describe the power to make the rules by Central Government in respect of Electronic Signature. 4
6. (a) As an IS auditor, what are the environmental controls verified by you, while conducting physical inspections ? 6
- (b) What is the need for an expert system in an organization ? What are its benefits ? 6
- (c) Describe the service strategy of ITIL framework. 4
7. Write short notes on any **four** of the following : *3*
2
5 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.

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