

Roll No.

Total No. of Printed Pages – 4

Total No. of Questions – 6

Maximum Marks – 70

GENERAL INSTRUCTIONS TO CANDIDATES

1. The question paper comprises two parts, Part I and Part II.
2. Part I comprises Multiple Choice Questions (MCQs).
3. Part II comprises questions which require descriptive type answers.
4. Ensure that you receive the question paper relating to both the parts. If you have not received both, bring it to the notice of the invigilator.
5. Answers to Questions in Part I are to be marked on the OMR answer sheet given on the Cover Page of descriptive answer book only. Answers to questions in Part II are to be written on the same descriptive type answer book. Answers to MCQs, if written inside other than on OMR sheet will not be evaluated.
6. OMR answer sheet given on the Cover Page of descriptive answer book will be in English only for all candidates, including for Hindi medium candidates.
7. **The barcoded sticker provided in the attendance register, is to be affixed only on the descriptive type answer book.**
8. You will be allowed to leave the examination hall only after the conclusion of the exam. If you have completed the paper before time, remain in your seat till the conclusion of the exam.
9. Duration of the examination is 3 hours. You will be required to submit (a) Part I of the question paper containing MCQs, and (b) the answer book in respect of descriptive type answer book with OMR Cover Page to the invigilator before leaving the exam hall, after the conclusion of the exam.
10. The invigilator will give you acknowledgement on Page 2 of the admit card, upon receipt of the above-mentioned items.
11. Candidate found copying or receiving or giving any help or defying instructions of the invigilators will be expelled from the examination and will also be liable for further punitive action.

PART – II

70 marks

1. Question paper Part-II comprises 6 questions. Answer Question No. 1 which is compulsory and any 4 out of the remaining 5 questions.
2. Answers to the 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 evaluated.

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PART – II

1. XYZ Limited is involved in trading of high quality readymade garments. This Company has several branches in India as well as in abroad. The Company wants to use a system of integrated applications to manage the business and automate many back-office functions related to technology, services, and human resources across its branches. So, the Company is planning to implement an ERP system to take care of all such issues. Also, by considering the importance of sensitive databases, there are many control activities involved in maintaining the integrity of the database. In addition, senior management of the Company has appointed a high-level IT Steering Committee to discuss IT related issues.

You are appointed as an IT consultant in the Company to discuss the implementation of new system. Please answer the following queries raised by management of XYZ Limited.

(a) Describe the key functions of the IT Steering Committee to provide overall direction to the management of the Company. **6**

(b) As an IT consultant of the XYZ Limited, how do you define ERP and convince the Management of the Company to implement ERP by explaining its components ? **5**

(c) Existence/Backup controls ensure the existence of the database by establishing backup and recovery procedures. Discuss various backup strategies to ensure the existence of the database. **3**

2. (a) Being an IT consultant, Management wants your advice by explaining the characteristics of Cloud Computing. Briefly explain any Six characteristics of Cloud Computing. **6**

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- (b) Feasibility study is carried out by the system analysts so that the most feasible and desirable system can be selected for development. Explain the technical issues usually raised during the feasibility stage of Preliminary Investigation phase of SDLC. **5**
- (c) Which factors related to Legal Considerations and Audit Standards, should be considered by an Information System Auditor as a part of his/her Preliminary Review ? **3**
3. (a) Management of a company wants to collect the information, which is written onto a special audit file – the SCARF master files. As an IS Auditor of the company, briefly explain the types of information, which can be collected using the SCARF technique. **6**
- (b) Program development and implementation is a major phase within the System Development Life Cycle. Explain the various phases, along with their controls, of Program Development Life Cycle. **5**
- (c) Service Strategy of ITIL framework provides guidance on clarification and prioritization of service provider investments in services. Describe any three Service Strategies under ITIL framework. **3**
4. (a) You are appointed as an IT consultant to assess the potential impacts resulting from various events or incidents in the process of Business Continuity Management. What are the activities that you will perform while making Business Impact Analysis ? **6**
- (b) You are appointed to audit the Information Systems of XYZ Limited. Board of Directors of the Company desires you to enlighten them on various categories of Information System Audit. What are the points you will cover when you enlighten them ? **5**
- (c) Continuous auditing enables auditors to significantly reduce and perhaps to eliminate the time difference between occurrence of the events and the auditor's assurance services thereon. Explain the advantages of Continuous Audit Techniques. **3**

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5. (a) The success of the process of ensuring business value from the use of IT can be measured by evaluating the benefits realized from IT enabled investments and services portfolio and how efficiently IT costs, benefits and risk are implemented. Briefly explain the key metrics, which can be used for such evaluation. **6**
- (b) Explain the functions performed by Indian Computer Emergency Response Team in the area of Cyber Security to serve as national agency under Section 70B of IT Act. **5**
- (c) Bring out the differences between the terminologies, Risk, Threat, Attack and Vulnerability with respect to IT Risk Management. **3**
6. (a) You are appointed as a consultant for maintaining the system aspects of SDLC. Explain different categories of system maintenance. **6**
- (b) You have been appointed as a manager of a company. What knowledge should be possessed by you as a business manager to operate the company's Information Systems effectively and efficiently? **5**
- (c) Write a short note on the Audit of Security Management Controls. **3**

OR

Explain the different ways in which organizations can Reduce Paper Consumption under Green IT.

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