

Roll No. .

Total No. of Questions – 7

Total No. of Printed Pages – 4

Time Allowed – 3 Hours

Maximum Marks – 100

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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.

In case, any candidate answers extra question(s)/sub-question(s) over and above the required number, then only the requisite number of questions first answered in the answer book shall be valued and subsequent extra question(s) answered shall be ignored.

Marks

1. ABC Limited, a large enterprise with more than 12000 employees, plans to implement an MIS to support middle and senior level management in administration and decision making. As an expert, what would be your response to the following :
- (a) Major limitations of a Management Information System
- (b) Important implications of an MIS in business
- (c) What are the categories of system maintenance ?
- (d) What are the major aspects to be looked into by an IS Auditor ?

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(2)

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2. (a) You are appointed as a member of the IT Steering Committee for IT implementation and deployment in a large company. What are the major functions of this committee ? **6**
- (b) COBIT 5 has a specific process "MEA02 Monitor, Evaluate and Assess the system of Internal Control." Discuss in brief any 6 key practices for assessing and evaluating the system of Internal Control in an enterprise based on this process. **6**
- (c) The Cloud Computing Architecture comprises of two parts. Briefly describe these two parts. **4**
3. (a) What should an IS Auditor evaluate while reviewing the adequacy of data security controls ? **6**
- (b) "Information has become a key resource for any type of business activity." Briefly discuss the various attributes of information. **6**
- (c) List out the major activities to be carried out in the implementation of a Business Continuity Plan. **4**
4. (a) Describe the categories of Information Systems Audits. **6**
- (b) What are the major documents that should be mandatorily part of any Business Continuity Management system ? **6**
- (c) IS Auditors review risks relating to IT systems and processes. Briefly discuss these risks. **4**

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5. (a) Discuss "Authentication of Electronic Records" with reference to the IT Act. 6
- (b) In today's fiercely competitive business environment which allows for no downtime, a comprehensive Business Continuity Plan is of paramount importance. What are the various components of a BCM process ? 6
- (c) What is a "Protected System" under the IT Act ? 4
6. (a) You are appointed as the IS Auditor of a large company with multiple locations across the globe which are connected to a common platform. What are the steps you would take as part of your preliminary evaluation to fully comprehend the technology environment and control issues ? 6
- (b) Discuss in brief the major concerns to be addressed by an auditor in the different activities of the Programming Management Control Phase. 6
- (c) What are the key benefits of GEIT ? 4

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(4)

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Marks

7. Write short notes on any **four** of the following :

4×4

=16

(a) Time Bomb vs. Logic Bomb

(b) Cloud vs. Grid Computing

(c) Boundary Control techniques

(d) Community Cloud

(e) ISO 27001

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