

Roll No.

FINAL
GROUP-II PAPER-6
INFORMATION SYSTEMS
CONTROL AND AUDIT

NOV 2016

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 is a reputed Insurance company with their head office located in Chicago. With an aim to expand their business, they started a subsidiary company in India and obtained the license from IRDA. Now they want to set-up branches throughout India and to appoint agents to sell their Insurance Products. The company want to use latest technologies and to establish an IT Department with full IS security. The company want to implement COBIT 5 in their organization. Further they also want to sell their insurance products

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online and to develop a website to provide E-Commerce facility and implement Mobile Computing in their company.

You are appointed as IT Consultant for this company. Please answer the following queries raised by the Management ?

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|-----|--|---|
| (a) | What are the enablers described by COBIT 5 Framework ? | 5 |
| (b) | What are the limitations of mobile computing ? | 5 |
| (c) | What is the information that an IS Auditor is expected to obtain at the audit location before proceeding with the IS Audit as per the provisions of IRDA ? | 5 |
| (d) | Explain the Impact of Cyber Frauds on Enterprises. | 5 |
| 2. | (a) Discuss the pre-requisites of an effective MIS. | 6 |
| | (b) Define and elaborate categories of risks that affect a system and taken into consideration at the time of assessment or audit of information systems. | 6 |
| | (c) What is IT Governance ? What are the key practices which determine the status of IT governance in the enterprise ? | 4 |

3. (a) Application programs are written, tested and documented to convert the design specifications into a functional system. Explain the characteristics that a good coded application program should have. 6
- (b) Discuss the ways audit trails can be used to support security objectives. 6
- (c) Explain the maintenance tasks undertaken in the Development of BCP. 4
4. (a) "The intuitive character of executive decision making is reflected strongly in the types of information found most useful to executives". Discuss characteristics of the types of information used in executive decision making. 6
- (b) Describe the key benefits of IT Governance achieved at highest level in an organization. 6
- (c) What are the main characteristics of detective controls which are designed to detect errors, omissions or malicious acts that occur ? 4
5. (a) Discuss File Interrogation as one of the three levels of input validation controls. 6
- (b) What is ITIL ? Elaborate "service design" under ITIL. 6
- (c) Explain the key steps that can be followed for a risk-based approach to make an audit plan. 4

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6. (a) Proper assessment of the degree of risk is critical to the effectiveness of the audit. Discuss some of the critical factors to be considered by an IS Auditor as part of his/her preliminary review. 6
- (b) "A variety of tasks during the SDLC are performed by special teams/individuals." Define in brief the role(s) of – (i) Systems Analyst (ii) Programmer (iii) Database Administrators (iv) Domain Specialist (v) IS Auditor (vi) Quality Assurance. 6
- (c) What competencies are necessary for personnel assigned specific management responsibilities within the system while developing BCM ? 4
7. Write short notes on any **four** of the following : 4×4 =16
- (a) Types of back-ups
- (b) Indian Computer Emergency Response Team
- (c) Major Components of WEB 3.0
- (d) Final Acceptance Testing
- (e) Advantages of BYOD

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