PAPER 6: INFORMATION SYSTEMS CONTROL & AUDIT

Important questions for Nov 2013

Disclaimer

- **The questions marked are purely predicted based on examination trends.**
- **The team involving drafting of the below questions does not have any access to Board of Studies, examination boards, committees or any other body of ICAI.**
- **Students are advised to use this as a supplementary study material, and not as the ONLY material for exams.**
- **The team does not bear any responsibility for appearance or non-appearance of the below marked questions.**

☺ THESE ARE PROBABLES, NOT ACTUALS !!

CHAPTER 1	**INFORMATION SYSTEMS CONCEPTS** 1. Different types of systems & its use in different management levels. 2. What is Information ? What are its characteristics ? 3. What are the factors on which information requirements depend. 4. What are the characteristics of an effective MIS & the Myths about MIS? 5. Describe the pre-requisites of an effective MIS. 6. Usage of computers in a MIS 7. What is DSS, its characteristics & its components ? 8. Short note on TPS & its features (along with a diagram) 9. Short Note on : Operations Support Systems ; Decomposition
CHAPTER 2 ✶ ✶	**SYSTEMS DEVELOPMENT LIFE CYCLE METHODOLOGY** 1. Reasons for failure of Systems Development 2. What is feasibility study ? explain various studies. 3. What are the various fact finding techniques used in system analysis. 4. What are system development tools. 5. Describe the Vendor Evaluation Criterion in selection of a system, along with techniques 6. Discuss the various stages in an in-house program development 7. Discuss System(software) Testing & its objectives. 8. Application Packages Advantage 9. SDLC – IS Audit perspective & Risks associated 10. Operations Manual. 11. Short notes : System Development approaches : Incremental; Agile Data Dictionary, Flow Chart & DFD – with examples 12. Flow Charts as in Study Material a) sum of squares from 1 to 50 b) arrange data in ascending order c)read a number N and print all its divisors d) sum of digits of any number. E) sum of 50 natural no. f) largest of three nos. g) Computing Factorial N (N!)

CA Ganesh Kumar B N B.Com., ACA, CS, CISA (USA)
ca.ganeshbn@gmail.com
Ph : 09972 317521

✶ **CHAPTER 3**	**CONTROL OBJECTIVES** 1. Effects of Computers on IS Audit & Internal Controls 2. Functions, Roles & Responsibility of an IS Auditor. 3. Steps in IS Audit. 4. Categories of Controls (in Brief – different categories and its components) 5. Audit Trail Objectives. 6. Encryption, Cryptography, PKI 7. Firewall and its types 8. SLA 9. Various Technical Exposures, Asynchronous attack Techniques and Computer Crime exposures. 10. Virus, Anti-Virus and types of Anti-Virus software. 11. Physical Controls measures 12. Controls for Environmental exposures
CHAPTER 4 **	**TESTING - GENERAL & AUTOMATED CONTROLS** 1. Various Phases of IS Control Audit 2. Discuss components that an auditor must document during the testing phase 3. What are the different levels of test plans? 4. Audit Tools & Continues Audit Techniques (along with its advantages & objectives)
CHAPTER 5	**RISK ASSESSMENT METHODOLOGIES AND APPLICATIONS** 1. Define terms - risk, threat, vulnerability, attack, exposure and Residual Risk ? 2. Differentiate between Systematic & Unsystematic Risk. 3. How Risk Assessment performed ? (steps involved/ areas of focus) 4. What are the different Risk Strategies ? 5. How is risk mitigated in an organisation? (Risk Mitigation techniques) 6. Insurance – types and areas of coverage 7. Threats to Computer environment 8. Threats due to cyber crimes

CA Ganesh Kumar B N B.Com., ACA, CS, CISA (USA)
ca.ganeshbn@gmail.com
Ph : 09972 317521

CHAPTER 6	**BUSINESS CONTINUITY PLANNING & DISASTER RECOVERY PLANNING** 1. What is BCP & what are the various phases of developing a business continuity plan? 2. What are the control measures that are to be installed to minimize threats, risks and exposures in a computer system ? 3. Describe various Backup techniques. 4. Describe various alternate site facilities & reciprocal agreements. 5. What is the importance of back-up redundancy? 6. Describe the various disaster recovery testing? Describe the testing procedure? 7. Audit tools techniques in BCP & DRP testing 8. Short note on a. Single point failure b. BIA
CHAPTER 7	**AN OVERVIEW OF ERP** 1. What is an ERP. Enumerate its characteristics. 2. What are the various benefits are an ERP. Also enumerate its features. 3. Myths about ERP. 4. What are the steps involved in implementation of an ERP 5. Write a note on Business Process Re-engineering. 6. Write short note on Post implementation review. 7. Risk & Governance in Implementation of an ERP 8. List a few ERP Packages 9. Important modules in SAP: a. Treasury Management b. Cost Control c. Material Management
CHAPTER 8	**IS AUDITING STANDARDS , GUIDELINES, BEST PRACTICES** Short Notes on 1. ISO 27001: Areas of Focus : ISMS (very important) 2. CMM & levels 3. COBIT : Enablers; categories; principles 4. CoCo, COSO 5. HIPAA – Safeguards 6. Systrust & Webtrust

CA Ganesh Kumar B N B.Com., ACA, CS, CISA (USA)
ca.ganeshbn@gmail.com
Ph : 09972 317521

CHAPTER 9	**DRAFTING OF IS SECURITY POLICY, AUDIT POLICY, IS AUDIT REPORTING** 1. What are the objectives of information security? How does an information security policy help in achieving those objectives? 2. What are the various types of Information Security Policy? 3. What are the basic types of Information Protection system ? 4. Access control in Information Security 5. What role is Information Systems Audit policy expected to play in ensuring information security? What are the objectives of IS Audit? 6. IS Audit Plan 7. IS Audit report
CHAPTER 10	**INFORMATION TECHNOLOGY ACT** 1. IT AMENDMENT ACT, 2008 2. Definitions 3. Electronic signature 4. Chapter IV – Time, place and receipt of records 5. Penal Provisions 6. Power of Central and State Govt 7. Liability of Companies 8. Cyber Appellate Tribunal Important Sections: 10, 30, 58, 85, 89,

👍👍👍 **ALL THE BEST** 👍👍👍

CA Ganesh Kumar B N B.Com., ACA, CS, CISA (USA)
ca.ganeshbn@gmail.com
Ph : 09972 317521