PAPER 6: INFORMATION SYSTEMS CONTROL & AUDIT

Important questions for Nov 2011

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. What is Information ? What are its characteristics ? 2. What are the characteristics of an effective MIS & the Myths about MIS? 3. Differentiate between : Internal Information & External Information 4. Differentiate between : Programmed Decisions & non-Programmed Decisions 5. Describe the pre-requisites of an effective MIS. 6. Discuss the various constraints in operating an successful MIS. 7. What is a DSS. Discuss its characteristics & components. ✶ 8. Brief note on Expert Systems. 9. Short note on TPS, Operations Support Systems
CHAPTER 2	**SYSTEMS DEVELOPMENT LIFE CYCLE METHODOLOGY**
	1. Discuss Prototyping approach to Systems development. (steps/advs/disadvs) 2. Short Note on Preliminary Investigation. 3. What is feasibility study ? explain various studies. 4. Discuss the various tangible & intangible Costs & benefits of a computerized system. 5. What are the various fact finding techniques used in system analysis. 6. Discuss various system development tools. 7. Short Note on Data Dictionary. 8. Brief note on Coding Characteristics & schemes. 9. System Manual. 10. Discuss the various stages in an in-house program development [Important Program Debugging] 11. Discuss the three vendor evaluation techniques. ✶ 12. Discuss System Testing. 13. Explain the importance of Personnel training. 14. Explain the important activities during conversion strategies. ✶ 15. System Development approaches : a) Incremental b) Agile !!!!! Surprise question 16. 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!)

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✶ CHAPTER 3	**CONTROL OBJECTIVES** 1. Effects of Computers on IS Audit 2. Discuss the effect of computers on internal controls. 3. Functions, Roles & Responsibility of an IS Auditor. 4. Steps in IS Audit. 5. Categories of Controls (in Brief – different categories and its components) 6. Audit Trail Objectives. 7. Cryptography, DES 8. Quality Controls & standards. 9. SLA 10. Various Technical Exposures, Asynchronous attack Techniques and Computer Crime exposures. 11. Virus, Anti-Virus and types of Anti-Virus software. 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 5. Discuss review of LAN.
CHAPTER 5	**RISK ASSESSMENT METHODOLOGIES AND APPLICATIONS** 1. Define terms - risk, threat, vulnerability, attack, exposure and Residual Risk ? 2. Note on Cyber Crimes. 3. Differentiate between Systematic & Unsystematic Risk. 4. What is risk assessment? How is it performed? (Areas of focus) 5. Various Risk evaluation techniques 6. How Risk ranking is performed ? 7. How is risk mitigated in an organisation? (Risk Mitigation techniques)

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CHAPTER 6	**BUSINESS CONTINUITY PLANNING & DISASTER RECOVERY PLANNING** 1. What is BCP & what are the various phases of developing a business continuity plan? 2. Explain BIA. 3. Describe various alternate site facilities. 4. What is the importance of back-up redundancy? 5. Note on Disaster Recovery plan & Disaster Recovery testing. 6. Describe the various disaster recovery testing? Describe the testing procedure?
CHAPTER 7	**AN OVERVIEW OF ERP** 1. What are the various benefits are an ERP. Also enumerate its features. 2. Myths about ERP. 3. Write a note on Business Process Re-engineering. 4. Steps in Implementation of an ERP. 5. Enumerate the guidelines to be followed during ERP Implementation. 6. Write short note on Post implementation review. 7. Risk & Governance in Implementation of an ERP
CHAPTER 8	**IS AUDITING STANDARDS , GUIDELINES, BEST PRACTICES** Short Notes on 1. CMM & levels 2. COBIT & its Four Domains 3. CoCo, COSO 4. Eight ITL series of Documents 5. HIPAA – Safeguards 6. Systrust & Webtrust 7. SAS 70

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. Major Components of Information Security Policy. 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

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CHAPTER 10	INFORMATION TECHNOLOGY ACT

1. IT AMENDMENT ACT, 2008
2. Definitions
3. Objectives of IT Act
4. Electronic signature
5. Penal Provisions
6. Cyber Appellate Tribunal

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