

INFORMATION SYSTEMS CONTROL AND AUDIT MOST IMPORTANT TESTED AREAS – MAY 2016

All topics of study material is important. Here with I am highlighting priority areas for study
Highlighted portion are Most Important
Compiled by **CHAKRAVARTHI MURALI** – “Best of Luck and Wish you a Grand Success in Life”

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Arrangement of Chapters based on weightage of marks

Chapter – I – Concept of Governance (18 to 22 Marks)

→	Enterprise Governance framework (and) major benefit of governance
→	Key benefits of GEIT
→	Best practices of corporate governance
→	Describe 4 contents of annual control report of management
→	Internal control as per COSO
→	4 broad classification of strategic planning
→	Key Management Practices - Aligning IT strategy with enterprise strategy
→	Meaning of Asset, Vulnerability, Threat, Exposure, Likelihood, Attack and risk
→	Risk Management Strategies
→	Key Management Practices - Risk Management
→	COBIT 5 – Component, Benefits and Enablers
→	Key Matrics for assessing compliance process
→	Evaluating IT Governance structure and practice by internal auditor
→	Areas of review by internal auditor as a part of review of GRC
→	Key Management Practices for assessing and evaluating internal control

Chapter – III – Protection of Information of Systems (18 to 22 Marks)

→	Information security objective (and) what information is sensitive
→	Information security policy and their hierarchy
→	Critical control lacking in a computerized environment
→	Impact of technology on internal control
→	Preventive, Detective, Corrective and compensatory control
→	Common physical access control technique
→	Asynchronous attacks – various types
→	Six activity of system development management controls
→	Boundary control – Techniques
→	Access control mechanism – 3 steps
→	Date base control – Update and Report control
→	Various output controls
→	Six caterories of integrity controls (and) Data interity policies
→	Financial control – Techniques
→	Impact of cyber frauds on enterprises
→	Techniques' to commit cyber fraud

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Chapter – VI – Audit of Information Systems (18 to 22 Marks)

→	Effect of computer on audit
→	Set of skills expected with an IS Auditor
→	5 types/categories of IS Audits
→	6 Stages of information system audit
→	Important task of auditor as part of preliminary evaluation
→	Legal consideration and audit standards as part of preliminary review
→	4 steps to be followed for risk based approach and 3 categories of risk
→	Inherent limitation of an audit
→	SCARF – Techniques
→	Continuous and intermittent simulation
→	Audit trail objective
→	Accounting & Operational audit trail – Input & Communication control
→	Understanding the layers and related audit issues

Chapter – II – Information systems concepts (14 to 18 Marks)

→	Information system attributes
→	Important characteristics of CBIS
→	TPS – Key activities, Components, basic features
→	Knowledge level system – (i) OAS; (ii) KMS
→	MIS – Major misconception; Pre-requisite
→	DSS – Characteristics
→	EIS – Characteristics
→	MIS – Constraints
→	Element of core banking system

Chapter – V – Development of system (12 to 16 Marks)

→	Prototyping & Agile model
→	Prototyping model strength and weaknesses
→	System requirement specification – objectives and documentation
→	Fact finding techniques
→	Analysis of present system
→	System designing
→	Method of validating vendor proposal
→	Good coded program – characteristics
→	Unit testing & System testing
→	Implementation strategies
→	Implementation activities
→	System Maintenance

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Chapter – VII – Information Technolgy Issues (9 to 12 Marks)

Chapter – VIII – Emerging Technologies (9 to 12 Marks)

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