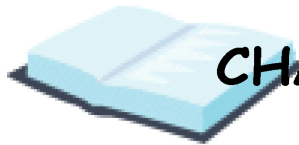


INFORMATION SYSTEM CONTROL AND AUDIT



CHANGES COMPARATIVE DETAILS Edition [Yr.2014]



Dear Student,

Many student, have indicated there is too much changes.... surprising many got fear of such change...

This article is one to make you aware what are the changes academically.... BUT MORE IMPORTANTLY TO MAKE YOU AWARE HOW TO READ THE CHANGES IN SUBJECT CALLED IT [remember its like science – in which old base remains – but new discover enhance your knowledge].

“Change is only the constant”

We strongly recommend, student not to panic for any revision any time... behave like CA... in this revision you are easily observe that, there are comparative less changes, than those you observe in Income tax act changes, AS changes, etc...

Read the revision – by simple comparison.

Addition what you see are regrouping or making more additional content – which I as usually say “**you know many thing, but you do not know, you know many things.**”

When there is revision, do not panic – believe on yourself... believe me, it shall be easy to incorporate this changes – Remember “You are MAN of 21st century” so what you are about to learn more is already known to you in other simple words... what is required is regrouping and more categorization in way of academic.

We do strongly recommend – what so ever deleted – does not mean they are useless or what you have learn additional is waste.... “Never ever think it”

Its mere Academic change.... all you learn will enhance your knowledge... so in future also – what so ever you missed let it be in old revision or old syllabus – it will help you in your practical life. [Hence we do give student old as well as new course and version] – so that it not only help them grow academically but can use all the knowledge even after qualification for their growth]

With this, I trust this article though is mainly academically, but its taken in True spirit of learning... Understand revision in all type of subject, No panic, behave like CA....

So, let me brief in one line the changes in syllabus. *[Detail Para wise comparison given in subsequent pages]* – 🧠* you will observe, 70 – 80% concept you have learn, remains same.

- Chp.1 – More information of COBIT 5, however concept of Risk assessment is been mixed. Earlier chapter on Risk Assessment is removed.
- Chp.2 – Same as earlier chp1, very minor change of adding role of information – concept remain same.
- Chp.3 – Mixture of earlier chp.9 and 3. Hence no major change. Cyber fraud added which you are aware already.
- Chp.4 – B C M points added, concept remain same. Its more like SDLC.
- Chp 5. Same as earlier chp 2. small internal control points added.
- Chp.6. Mix of earlier chp 3 and 9. Also restoration of earlier syllabus chp.13 and 14 of MICS. Concept remain same.
- Chp 7 – Mix of earlier chp 10 & 8. Addition point. “Requirements of Various Authorities for System Controls & Audit”
- Chp. 8 – Emerging Technology added. Cloud, Mobile, Social, BYOD & Green IT. - it same which you use and see practically in daily life.

Majorly ERP chapter is been removed. Testing, Risk Assessment & Drafting of Policy, International Standards, Chapter major points are removed. This, in our view makes academic syllabus more easy, However, we recommended in future, you to go through this chapter, which provide more detail on related topic, which will help you in your professional life.

So professionals, enjoy more knowledge...

For any query feel free to email me at vipul@dhullasir.com

All the best.

With best regards

CA.Vipul V. Dhulla [C.A.,D.I.S.A]

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2	1.2 Information Technology and Governance . 1.3				
3	1.3 Key Concepts of Governance .. 1.3				
4	1.4 Corporate Governance and IT Governance . 1.4				
5	1.5 IT Governance and GEIT .. 1.6				
6	1.6 Corporate Governance, ERM and Internal Controls . 1.9				
7	1.7 Role of IT in Enterprises .. 1.12				
8	1.8 IT Strategy Planning .. 1.14				
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10	* Intro				
11	1.9.1 IS Risk and Risk Management				
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13	1.9.3 Related terms		188 5.2 Related Terms 5.2	same	Risk assessment, COBIT Spirit same concept of
14	1.9.4 Risk Management Strategies				
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16	1.9.6 Key Governance practices of Risk management				
17	1.9.7 Key Management Practices of Risk Management				
18	1.9.8 Metrics of Risk Management				
19	1.10 IT Compliance Review .. 1.26				
20	1.10.1 Compliance in COBIT 5				
21	1.10.2 Key Management Practices of IT compliance				
22	1.10.3 Key Metrics of Assessing Compliance process.				
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24	* Intro	232	* Intro	same	
25	1.11.1 Need for Enterprises to use COBIT 5	233	8.5.1 Need for Enterprises to use COBIT5	same	
26	1.11.2 Integrating COBIT 5 with other Framework	235	8.5.3 Integrating COBIT5 with other frameworks	same	
27	1.11.3 Customizing COBIT 5 requirement	236	8.5.4 Customising COBIT as Per Need	same	
28	1.11.4 Five principles of COBIT 5	237	8.5.5 Five Principles of COBIT 5	same	
29	1.11.5 Seven Enablers of COBIT 5	238	8.5.6 COBIT5 Enablers	same	
30	1.11.6 COBIT 5 Process Reference Model	239	8.5.7 COBIT 5 Process Reference Model	same	
31	1.11.7 Using COBIT 5 Best Practices for GRC				
32	1.12 Information System Assurance .. 1.37				
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34	1.12.1 Using COBIT 5 for IS Assurance				
35	1.12.2 Evaluating IT Governance structure and Practices by Internal Auditor				
36	1.12.3 Sample Areas of GRC for Review by Internal Auditors				
37	1.12.4 Sample Areas of Review of Assessing and Managing Risks				
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40	2.2 Overview of Information Systems and Practical Aspects of their Applications in Enterprise Processes .. 2.3				
41	2.2.1 System		2 1.2 Definition of a system ... 1.1	same	
42	2.2.2. Classification of system		3 1.3 Types of System 1.1	same	
43	2.2.3. Information system and its components		10 1.7.2. Components CBIS	reworded	
44	* Important Characteristics of CBIS		10 1.7.2. Components CBIS	same	
45	* Major areas of computer system		10 1.7.2. Components CBIS	same	
46	2.2.4 Type of information systems		12 1.8 Types of Information Systems at different levels ... 1.18	same	
47	* OSS		13 1.9 Operations Support Systems (OSS) ... 1.19	same	
48	** TPS		13 1.9 Operations Support Systems (OSS) ... 1.19	same	
49	** PCS			new	one liner
50	** ECS			new	one liner
51	* MSS		15 1.10 Management Support Systems (MSS)... 1.33	same	made more brief. Bullet points been same. Like summary or say answer given in suggested
52	** MIS		14 1.9.2. MIS	reworded	made more brief. Bullet points been same. Like summary or say answer given in suggested
53	** DSS		16 1.10.1. DSS	reworded	made more brief. Bullet points been same. Like summary or say answer given in suggested
54	** EIS		17 1.10.2 EIS	reworded	made more brief. Bullet points been same. Like summary or say answer given in suggested
55	* Intro		18 * Intro	same	
56	* Characteristics of EIS		19 * Characteristics of EIS	same	
57	* The Executive Decision Making Environment		26 * The Executive Decision Making Environment	same	
58	* Content of EIS		27 * Content of EIS	same	
59	** OAS		30 1.11 Office Automation Systems (OAS) ... 1.45	same	
60	* Other Information System		29 1.10.3 Expert System	same	
61	** Expert System		29 1.10.3 Expert System	same	components of Expert system removed
62	** Knowledge Management system			new	One line information
63	** Functional Business Information system			new	One line information
64	** Strategic Information System			new	One line information
65	** Cross functional Information System			new	One line information
66	2.2.5 Application of Information system in Enterprise processes			new	Brief
67	* IS perform 3 vital role in business firms			new	brief + brief Para on subsystem.
68	* To operate IS effectively Business migr to know			new	
69	* IMP implications of IS in Business		8 1.7.0 Imp implication of IS	same	
70	2.3 Information as a Key Business Asset and its Relation to Business Objectives and Processes .. 2.31				
71	2.3.1. Information		6 1.6 Information 1.11	same	Type of information is been removed.
72	2.3.2. Role of Information in Business			new	concept same. But completely restructured.
73	2.4 Relative Importance of Information Systems from Strategic and Operational Perspectives .. 2.34			new	concept same. But completely restructured.
74	2.5 Various types of Business Applications .. 2.36			new	includes ERP is been given in brief. Which was earlier complete chapter
75	2.6 Overview of Underlying IT Technologies . 2.39			new	

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77	3.2 Need for Protection of Information Systems . 3.2	248	9.1 Important of Information System Security .. 9.1	same	
78	3.3 Information System Security .. 3.3	249	9.2 Information System Security ... 9.2	same	
79	* Into and 3 universal objective	250	* Into and 3 universal objective	same	
80	* What information is sensitive	251	* 9.2.1 What information is sensitive	same	
81	3.4 Information Security Policy .. 3.4	254	9.4 Information Security Policy ... 9.6	same	
82	* Intro	255	* Intro	same	
83	3.4.1. Tools to implement policy : standards, guidelines & procedure	255	* Intro	same	
84	3.4.2 Issue to address	256	9.4.1 Issue to address	same	
85	3.4.3 Members of Security Policy	257	9.4.2 Members of Security Policy	same	
86	3.4.4 Type of IS policies and hierarchy	259	9.5.0 Type of IS policies and hierarchy	same	
87	3.4.5 Component of SP	260	9.5.1 Component of SP	same	
88	3.5 Information Systems Controls .. 3.8	90	3.1 Information Systems Controls ... 3.1	same	
89	* Intro	90	3.1 Information Systems Controls ... 3.1	same	
90	3.5.1 Need for control in IS		3.2 Need for Control and Audit of Information Systems .. 3.1	new	brief. Note earlier 3.2 was audit and control mix. Now Brief points given for control here and exact 3.2 is been used for chp.6 new syllabus
91	3.5.2 Impact of technology on IC	92	3.3 Effect of Computers on Internal Controls 3.3	same	
92	3.6 Information Systems Control Techniques . 3.10	109	3.7 Information Systems Control Techniques ... 3.17	same	
93	3.6.1. Objective of controls	110	3.7.1 Objective of Controls	same	
94	3.6.2 Categories of Controls	111	3.7.2 Categories of Controls	same	
95	3.6.2 Categories of Controls	112	3.7.3 Control Techniques	same	
96	3.6.3 Organizational controls	113	3.7.4 Organizational controls	reworded	New last Para includes General guideline with reference to segregation of duties
97	3.6.4 Management controls	114	3.7.5 Management controls	same	
98	3.6.5 Financial control techniques	115	3.7.6 Financial control techniques	same	
99	3.6.6 Data processing controls	116	3.7.7 Data processing controls	same	
100	3.6.7 Physical access controls	117	3.7.8 Physical access controls	same	
101	3.6.8 Logical access controls	118	3.7.9 Logical access controls	same	
102	3.6.9 SDLC controls	119	3.7.10. SDLC controls	same	
103	3.6.10 BCP controls	120	3.7.11 BCP controls	same	
104	3.6.11 Application control techniques	121	3.7.12 Application control techniques	same	
105	3.6.12 Audit trails	122	3.7.13 Audit trails	same	REFER CHP 6 OF NEW SYLLABUS
106	3.7 User Controls .. 3.21	125	3.8 User Controls 3.29	same	
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117	3.9.3 Issues & Revelations related to Logical Access	149	3.22.3 Issues & Revelations related to Logical Access	same	
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120	3.10.1 Physical access Issues & exposures	154	3.23.1 Physical access Issues & exposures	same	
121	3.10.2 Physical access control [techniques]	155	3.23.2 Physical access control [techniques]	same	
122	3.11 Environmental Controls .. 3.48	159	3.24 Environmental Controls ... 3.108	same	
123	* Intro	160	* Intro	same	
124	3.11.1 Environmental Issues & Exposures	161	3.24.1 Environmental Issues & Exposures	same	
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127	3.12 Cyber Frauds .. 3.51			new	
128	App-1 - Master checklist on logical access control	168	App-1 - Master checklist on logical access control	same	
129	App-2 - Master checklist on physical & environmental security	169	App-2 - Master checklist on physical & environmental security	same	

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131	4.1 Introduction .. 4.1			new	
132	4.2 Need of Business Continuity Management (BCM). 4.2			new	
133	4.3 BCM Policy .. 4.4			new	
134	4.4 Business Continuity Planning .. 4.5	199	6.1 Business Continuity Planning ... 6.1	same	
135	4.5 Developing a Business Continuity Plan . 4.6	200	6.2 Developing a Business Continuity Plan ... 6.3	same	
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137	4.7 BCM Management Process .. 4.11			new	
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139	4.9 BCM Strategy Process ... 4.16			new	
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158	5.4 Systems Development Methodology . 5.8		38 2.3 Systems Development Methodology ... 2.4	same	
159	5.5 System Development Life Cycle (SDLC) . 5.20		40 2.4 System Development Life Cycle (SDLC) .. 2.15	same	
160	5.5.1 The Preliminary Investigation		41 2.5 The Preliminary Investigation ... 2.17	same	
161	5.5.1 (i) Systems Requirement Analysis		42 2.5.1 Identification of Problem	same	
162	5.5.2 (ii) Identification of objective		43 2.5.2 Identification of objective	same	
163	5.5.2 (iii) Delineation of Scope		44 2.5.3 Delineation of Scope	same	
164	5.5.2 (iv) feasibility Study		45 2.5.4 feasibility Study	same	
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166	* Financial		47 * Financial	same	
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208	6.2.1 Need for Audit of IS		91 3.2 Need for Control and Audit of Information Systems .. 3.1	same	
209	6.2.2 Effect of computer on audit		93 3.4 Effect of Computers on Audit ... 3.5	same	
210	6.2.3 Responsibility for control		94 3.5 Responsibility for Controls ... 3.7	same	Just Intro & Diagram. Discussion on Long-range planning, short range planning, PM control etc. Removed
211	6.3 The IS Audit .. 6.6		95 3.6 The IS Audit Process ... 3.9	same	
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217	6.3.5 Audit Standards		101 3.6.5 Audit Standards	same	
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230	6.5.3 Concurrent or Continuous Audit		182 4.13 Concurrent or continuous audit and embedded audit modules . 4.20	same	Audit Hook, point added which was in old MICS syllabus pg.17.15
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				new	

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246	7.4 Electronic Governance [Chapter III] . 7.8		10.3 Digital Signature And Electronic Signature (Amended Vide ITAA 2008)		
247	7.5 Secure Electronic Records and Secure Electronic Signatures [Chapter V] . 7.12		269 Chapter-II] 10.7	same	Sec. 6A, 11, 77, 77A, 77B
248	7.6 Penalties and Adjudication [Chapter IX] . 7.12		270 10.4 Electronic Governance [Chapter III] ... 10.9	same	Sec. 82, 83, 84A, 84B, 86, 87, 88, 90
249	7.7 Offences under IT Act [Chapter XI] . 7.15		10.6 Secure Electronic Records And Secure Electronic Signatures [Chapter V] ...		above all are not indicated. However they are still in the act.
250	7.8 Intermediaries not to be liable in Certain Cases [Chapter XII] . 7.24		272 10.15	same	
251	7.9 Miscellaneous [Chapter XIII] .. 7.26		276 10.10 Penalties And Adjudication [Chapter IX] .. 10.27	same	
252	7.10 Requirements of Various Authorities for System Controls & Audit .		278 10.12 Offences [Chapter XI]... 10.37	same	
253	7.10.1 Requirement of IRDA for system control & audit		10.13 Intermediaries Not To Be Liable In Certain Cases (Substituted Vide ITAA-		
254	7.10.2. Requirement of RBI		279 2008) [Chapter XII] .. 10.49		
255	7.10.3. Requirement of SEBI		280 10.14 Miscellaneous [Chapter XII] ... 10.50		
256	7.11 Cyber Forensic and Cyber Fraud Investigation . 7.34			New	New
257	7.12 Security Standards .. 7.35			New	New
258	* Intro			New	New
259	* Need for enterprises to ensure required level of security.			New	brief
260	* Cyber Security policy 2013 intro			New	brief
261	* Cyber Security policy 2013 Objectives			New	brief
262	7.12.1 ISO 27001		226 8.3 ISO 27001 – Information Security Management Standard .. 8.2	New	brief
263	* Intro		227 * Intro ISMS	same	
264	* Four Phase		228 * FOUR PHASE OF ISMS	same	10 Area of focus in ISMS removed
265	* Expectation from management			new	brief
266	* Benefits			new	brief
267	* Reason			new	brief
268	7.12.2 SA 402		245 8.10 SAS 402(Revised)..... 8.29	same	
269	7.12.3 ITIL		242 8.7 ITIL (IT Infrastructure Library) ... 8.23	same	
CHAPTER 8 – Emerging Technologies					
270	8.1 Introduction .. 8.1			New	
271	8.2 Cloud Computing .. 8.2			New	
272	8.3 Mobile Computing .. 8.15			New	
273	8.4 BYOD .. 8.16			New	
274	8.5 Social Media and Web 2.0 .. 8.18			New	
275	8.6 Green IT .. 8.25			New	

Hope student, you fill comfortable with this changes. Kindly note, this are mere comparative changes noted by us. Student are request, to go through the module and identify the same. This comparison is just for benefit of student community at large.

Any correction/omission/ suggestion kindly revert to us. We believe this summary and clarification give relief. Please do share your valuable view and feedback.

