



**COBIT 4.1 Foundation Exam Revision on a page!**

IT Governance					
<b>4 Principles of IT Governance</b> Direct and Control Responsibility Accountability Activities		<b>5 Benefits of IT Governance</b> Confidence of top management Responsiveness of IT to the Business Higher ROI More reliable services More transparency			
COBIT Characteristics, Focus Areas & Management Guidelines					
<b>4 Main Characteristics of COBIT</b> <b>Business Focused</b> <ul style="list-style-type: none"> <li>7 Information Criteria</li> <li>17 Business Goals → 28 IT Goals → 34 IT Processes</li> <li>17 Business Goals are arranged by Balanced Scorecard: - Financial, Customer, Internal, Learning and Growth</li> <li>4 types of IT Resource: Apps, People, Info, Infrastructure</li> </ul> <b>Process-Oriented</b> <ul style="list-style-type: none"> <li>4 Domains and 34 Processes</li> </ul> <b>Controls-Based</b> <ul style="list-style-type: none"> <li>6 Generic Process Controls (PC1 – PC6)</li> <li>210 Control Objectives – implement by Control Practices</li> <li>6 Application Controls (AC1 – AC6)</li> </ul> <b>Measurement Driven</b> <ul style="list-style-type: none"> <li>Performance Measurement:               <ul style="list-style-type: none"> <li>Outcome Measures “lag” (formerly KGI)</li> <li>Performance Indicators “lead” (formerly KPI)</li> </ul> </li> <li><b>Maturity Model</b> <ul style="list-style-type: none"> <li>0 Non-existent</li> <li>1 Initial</li> <li>2 Repeatable</li> <li>3 Defined</li> <li>4 Managed</li> <li>5 Optimised</li> </ul> </li> </ul>		<b>COBIT Focus Areas</b> Strategic Alignment “SA” Value Delivery “VD” Risk Management “RM” “Saved 2 rooms after noon” Resource Management “RM” Performance Measurement “PM”  <b>Management Guidelines</b> <ul style="list-style-type: none"> <li>for each COBIT process</li> </ul> <b>Inputs</b> <b>Outputs</b> <b>RACI chart:</b> Activities against Functions (i.e. roles) <b>Goals and Metrics - for IT, Process and Activity</b> 			
<b>RACI = Responsible, Accountable, Consulted, Informed</b>					
COBIT Cube					
<b>Business Requirements (Information Criteria)</b> Availability Confidentiality Effectiveness Efficiency Reliability (of information) Integrity Compliance		<b>Domains</b> Plan & Organise (PO) Acquire & Implement (AI) “PO AIDS ME” Deliver & Support (DS) (Post Office aids me) Monitor & Evaluate (ME)  <b>Syllabus:</b> expects some detailed knowledge of: PO10 Manage projects, DS2 Manage third party services			
<b>Resources</b> Applications – S/W People Infrastructure – H/W, O/S, Nets, Facilities Information		<b>Other Frameworks</b> ITIL – IT infrastructure library ISO 27002 (was ISO 17799) – Information security CMMI (was CMM) – Capability maturity model integrated COSO – financial and internal controls but <b>not</b> IT specific			
COBIT Implementation Steps					
1. Identify Needs 2. Envision Solution 3. Plan Solution 4. Implement Solution 5. Operationalise Solution					
COBIT Assurance					
Assurance Roadmap: Plan Scope Execute					
Execution Roadmap: 6 steps					
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
Refine Understanding	Refine Scope	Test Effectiveness of Control Design	Test Outcomes of Control Objectives	Document Weaknesses	Develop & Communicate Conclusion and Recommendations
<b>VAL IT</b>	Doing right things?	Doing right way?	Getting them done well?	Getting the benefits?	
<b>VAL IT Domains</b>	Value Governance (VG)	Portfolio Management (PM)	Investment Management (IM)	“IM VG PM” “I’m very good in the afternoon”	