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## Purpose

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This document is an appendix to Exam Structures & Rules document.

## Revision History

Version	Date	Remarks
1.2	August 4, 2021	Added CT-AI v1.0
1.1	May 21, 2021	Added CTAL-TTA v4.0
1.0	April 15, 2021	Collecting all previous S&R documents for individual syllabi into one document

Stream	Level	Acronym		Number of Questions	Number of Possible Points	Exactly 65% of the points	Passing Score (at least 65%)	Exam Length, in minutes	Exam Length + 25%
Core	Foundation	CTFL	Certified Tester Foundation Level <b>v3.1</b>	40	40	26,00	26	60	75
Core	Advanced	CTAL-TM	Certified Tester Advanced Level <b>Test Manager v2.0 (2012)</b>	65	115	74,75	75	180	225
Core	Advanced	CTAL-TA	Certified Tester Advanced Level <b>Test Analyst v3.0 (2019)</b>	40	80	52,00	52	120	150
			Certified Tester Advanced Level <b>Test Analyst v3.1</b>	40	80	52,00	52	120	150
Core	Advanced	CTAL-TTA	Certified Tester Advanced Level <b>Technical Test Analyst v3.0 (2019)</b>	45	76	49,40	50	120	150
			Certified Tester Advanced Level <b>Technical Test Analyst v4.0</b>	45	78	50,70	51	120	150
Agile	Foundation	CTFL-AT	Certified Tester Foundation Level Agile Tester	40	40	26,00	26	60	75
Agile	Advanced	CTAL-ATT	Certified Tester Advanced Level Agile Technical Tester	40	64	41,60	42	90	113
Specialist	NA	CT-MBT	Certified Tester Model-Based Tester	40	40	26,00	26	60	75
Specialist		CT-AuT	Certified Tester Automotive Software Tester	40	40	26,00	26	60	75
Specialist		CT-UT	Certified Tester Usability Testing	40	40	26,00	26	60	75
Specialist		CT-AcT	Certified Tester Acceptance Testing	40	40	26,00	26	60	75
Specialist		CT-GT	Certified Tester Gambling Industry Tester	40	40	26,00	26	60	75
Specialist		CT-MAT	Certified Tester Mobile Application Testing	40	40	26,00	26	60	75
Specialist		CT-PT	Certified Tester Performance Testing	40	40	26,00	26	90	113
Specialist		CT-TAE	Certified Tester Test Automation Engineer	40	75	48,75	49	90	113
Specialist		CT-SEC	Certified Tester Security Tester	45	80	52,00	52	120	150
Specialist		CT-AI	Certified Tester AI Testing	40	47	30,55	31	60	75
Specialist									

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	8	1	8
K2	24	1	24
K3	8	3	24
K4	0	4	0
<b>TOTALS</b>	<b>40</b>		<b>56</b>

\* [for asterix below]

If there are more questions to distribute between LOs in a group of LOs then at least ONE question MUST BE BASED ON each LO

If there are less questions to distribute between LOs in a group of LOs then each question MUST COVER a different LO

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
Keywords	K1	1	1	There is a total of 8 questions required for Chapter 1. K1 = 2 K2 = 6 K3 = 0 Number of points for this chapter = 8
FL-1.1.1	K1	1	1	
FL-1.5.1	K2	6	1	
FL-1.1.2				
FL-1.2.1				
FL-1.2.2				
FL-1.2.3				
FL-1.2.4				
FL-1.3.1				
FL-1.4.1				
FL-1.4.2				
FL-1.4.3				
FL-1.4.4				
FL-1.5.2				
Chapter 2				
FL-2.1.2	K1	1	1	There is a total of 5 questions required for Chapter 2. K1 = 1 K2 = 4 K3 = 0 Number of points for this chapter = 5
FL-2.3.2	K2	4	1	
FL-2.1.1				
FL-2.2.1				
FL-2.3.1				
FL-2.3.3				
FL-2.4.1				
FL-2.4.2				
Chapter 3				
FL-3.1.1	K1	1	1	There is a total of 5 questions required for Chapter 3. K1 = 1 K2 = 3 K3 = 1 Number of points for this chapter = 5
FL-3.2.2	K2	3	1	
FL-3.1.2				
FL-3.1.3				
FL-3.2.1				
FL-3.2.3				
FL-3.2.5				
FL-3.2.4	K3	1	1	
Chapter 4				
Keywords	K1	1	1	There is a total of 11 questions required for Chapter 4. K1 = 1 K2 = 5 K3 = 5 Number of points for this chapter = 11
FL-4.1.1	K2	4	1	
FL-4.3.1				
FL-4.3.2				
FL-4.3.3				
FL-4.4.1				
FL-4.4.2	K3	3	1	
FL-4.4.3				
FL-4.2.1	K3	1	1	
FL-4.2.2				
FL-4.2.3	K3	1	1	
FL-4.2.4	K3	1	1	
FL-4.2.5	K2	1	1	
Chapter 5				
FL-5.1.2	K1	2	1	There is a total of 9 questions required for Chapter 5. K1 = 2 K2 = 5 K3 = 2 Number of points for this chapter = 9
FL-5.2.5				
FL-5.3.1				
FL-5.5.1				
FL-5.1.1	K2	5	1	
FL-5.2.1				
FL-5.2.2				
FL-5.2.3				
FL-5.2.6				
FL-5.3.2	K3	2	1	
FL-5.4.1				
FL-5.5.2				
FL-5.5.3				
FL-5.2.4				
FL-5.6.1				
Chapter 6				
FL-6.1.2	K1	1	1	There is a total of 2 questions required for Chapter 6. K1 = 1 K2 = 1 K3 = 0 Number of points for this chapter = 2
FL-6.1.3				
FL-6.2.1				
FL-6.2.2				
FL-6.2.3				
FL-6.1.1	K2	1	1	
TOTALT 60 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	10	1	10
K2	22	1	22
K3	8	3	24
K4	0	4	0
<b>TOTALS</b>	<b>40</b>		<b>56</b>

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If there are less questions to distribute between LOs in a group of LOs then each question MUST COVER a different LO

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question		
Chapter 1					
Keywords	K1	5	1	There is a total of 13 questions required for Chapter 1. K1 = 5 K2 = 7 K3 = 1 Number of points for this chapter = 13	
FA-1.1.1					
FA-1.2.1					
FA-1.2.5					
FA-1.1.2	K2	2	1		
FA-1.1.3	K2	2	1		
FA-1.2.2	K3	1	1		
FA- 1.2.3	K2	2	1		
FA- 1.2.4	K2	1	1		
Chapter 2					
Keywords	K1	1	1	There is a total of 12 questions required for Chapter 2. K1 = 1 K2 = 11 K3 = 0 Number of points for this chapter = 12	
FA-2.1.1	K2	1	1		
FA-2.1.2	K2	1	1		
FA-2.1.3	K2	2	1		
FA-2.2.1	K2	2	1		
FA-2.2.2	K2	2	1		
FA-2.3.1	K2	1	1		
FA-2.3.2	K2	2	1		
Chapter 3					
Keywords	K1	4	1	There is a total of 15 questions required for Chapter 3. K1 = 4 K2 = 4 K3 = 7 Number of points for this chapter = 15	
FA-3.1.1					
FA 3.1.2					
FA-3.4.1	K2	2	1		
FA-3.1.3					
FA 3.1.4	K3	1	1		
FA-3.2.1	K3	1	1		
FA-3.2.2	K3	1	1		
FA-3.3.1	K3	1	1		
FA-3.3.2	K2	2	1		
FA-3.3.3	K3	1	1		
FA-3.3.4	K3	1	1		
FA-3.3.5	K3	1	1		
TOTALT 60 minutes for 40 questions					

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	25	1	25
K3	6	3	18
K4	9	4	36
<b>TOTALS</b>	<b>40</b>		<b>79</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
ATT-1.1.1-2	K2	3	1	There is a total of 6 questions required for Chapter 1. K2 = 3 K3 = 0 K4 = 4 Number of points for this chapter = 12
ATT-1.1.2-2				
ATT-1.1.1-1	K4	3	3	
ATT-1.1.2-1				
Chapter 2				
ATT-2.1.1-2	K2	3	1	There is a total of 20 questions required for Chapter 2. K2 = 11 K3 = 3 K4 = 6 Number of points for this chapter = 35
ATT-2.1.1-3				
ATT-2.1.2-2	K2	1	1	
ATT-2.2.2-2	K2	3	1	
ATT-2.2.1-2				
ATT-2.3.1	K2	1	1	
ATT-2.3.2-2	K2	3	1	
ATT-2.3.1-2				
ATT-2.1.1	K3	3	2	
ATT-2.1.2				
ATT-2.1.3	K4	2	3	
ATT-2.2.1	K4	3	3	
ATT-2.2.2				
ATT-2.3.2	K4	1	3	
Chapter 3				
ATT-3.1.2	K2	1	1	There is a total of 9 questions required for Chapter 3. K2 = 7 K3 = 2 K4 = 0 Number of points for this chapter = 11
ATT-3.1.3-1	K2	3	1	
ATT-3.1.3-2				
ATT-3.2.1	K2	3	1	
ATT-3.2.1-2				
ATT-3.1.1	K3	2	2	
Chapter 4				
ATT-4.1.2	K2	1	1	There is a total of 5 questions required for Chapter 4. K2 = 4 K3 = 1 K4 = 0 Number of points for this chapter = 6
ATT-4.2.1	K2	3	1	
ATT-4.2.1-2				
ATT-4.1.1	K3	1	2	
TOTAL 90 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	32	1	32
K3	15	3	45
K4	16	4	64
<b>TOTALS</b>	<b>63</b>		<b>141</b>

additional option of 6 to 7 questions  
additional option of 1 question

Question Distribution	K-Level	Number of Questions per LO (group)	Suggested Points per Question
Chapter 1			
TM-1.2.1	K4	2	A minimum of ONE question MAY be written against the selectable LO marked with an asterisk.  There is a total of 13 (14) questions required for Chapter 1. K2 = 2 (3) K3 = 9 K4 = 2
TM-1.3.1	K3	2	
TM-1.3.2	K2	1	
TM-1.4.1	K3	2	
TM-1.5.1	K3	2	
TM-1.6.1	K3	2	
TM-1.7.1	K2	1	
TM-1.8.1	K2	*	
TM-1.8.2	K3	1	
Chapter 2			
TM-2.2.1	K4	2	A minimum of ONE question MUST be written against the selectable LOs marked with an asterisk.  There is a total of 25 questions required for Chapter 2. K2 = 14 K3 = 3 K4 = 8
TM-2.2.2	K2	2	
TM-2.2.3	K2	1	
TM-2.3.1	K2	1	
TM-2.3.2	K2	1	
TM-2.3.3	K4	2	
TM-2.3.4	K2	2	
TM-2.3.5	K2	*	
TM-2.4.1	K4	1	
TM-2.4.2	K4	1	
TM-2.4.3	K2	2	
TM-2.4.4	K3	1	
TM-2.5.1	K3	1	
TM-2.5.2	K2	1	
TM-2.6.1	K2	1	
TM-2.6.2	K2	1	
TM-2.6.3	K4	2	
TM-2.7.1	K2	*	
TM-2.7.2	K3	1	
TM-2.8.1	K2	1	
TM-2.9.1	K2	*	
Chapter 3			
TM-3.2.1	K2	1	There is a total of 6 questions required for Chapter 3. K2 = 3 K3 = 1 K4 = 2
TM-3.3.1	K4	2	
TM-3.3.2	K2	1	
TM-3.4.1	K3	1	
TM-3.5.1	K2	1	
Chapter 4			
TM-4.2.1	K3	1	There is a total of 4 questions required for Chapter 4. K2 = 2 K3 = 2 K4 = 0
TM-4.2.2	K2	1	
TM-4.3.1	K3	1	
TM-4.4.1	K2	1	
Chapter 5			
TM-5.2.1	K2	1	A minimum of TWO question MUST be written against the selectable LOs marked with an asterisk.  There is a total of 3 questions required for Chapter 5. K2 = 1 (3) K3 = 0 (1) K4 = 0
TM-5.3.1	K3	*	
TM-5.4.1	K2	*	
TM-5.5.1	K2	*	
TM-5.6.1	K2	*	
TM-5.7.1	K2	*	
Chapter 6			
TM-6.2.1	K2	1	A minimum of ONE question MAY be written against the selectable LO marked with an asterisk.  There is a total of 4 (5) questions required for Chapter 6. K2 = 3 (4) K3 = 0 K4 = 1
TM-6.2.2	K2	1	
TM-6.2.3	K4	1	
TM-6.3.1	K2	1	
TM-6.4.1	K2	*	
Chapter 7			
TM-7.2.1	K4	2	A minimum of ONE question MUST be written against the selectable LOs marked with an asterisk.  There is a total of 7 questions required for Chapter 7. K2 = 4 K3 = 0 K4 = 3
TM-7.2.2	K4	1	
TM-7.3.1	K2	1	
TM-7.4.1	K2	*	
TM-7.5.1	K2	2	
TM-7.6.1	K2	*	
TOTALT 180 minutes for 65 questions			

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	17	1	17
K3	6	3	18
K4	17	4	68
<b>TOTALS</b>	<b>40</b>		<b>103</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
TA-1.2.1	K2	1	1	There is a total of 6 questions required for Chapter 1. K2 = 4 K3 = 0 K4 = 2 Number of points for this chapter = 10
TA-1.3.1	K2	1	1	
TA-1.4.1	K2	1	1	
TA-1.4.2	K4	2	3	
TA-1.4.3	K2	1	1	
TA-1.5.1				
TA-1.6.1				
Chapter 2				
TA-2.1.1	K3	1	2	There is a total of 1 questions required for Chapter 2. K2 = 0 K3 = 1 K4 = 0 Number of points for this chapter = 2
Chapter 3				
TA-3.2.1	K4	1	3	There is a total of 17 questions required for Chapter 3. K2 = 3 K3 = 1 K4 = 13 Number of points for this chapter = 44
TA-3.2.2	K4	1	3	
TA-3.2.3	K4	2	3	
TA-3.2.4	K4	2	3	
TA-3.2.5	K2	1	1	
TA-3.2.6	K4	2	3	
TA-3.2.7	K4	2	3	
TA-3.2.8	K4	2	3	
TA-3.3.1	K2	1	1	
TA-3.3.2	K3	1	2	
TA-3.3.3	K2	1	1	
TA-3.4.1	K4	1	3	
Chapter 4				
TA-4.2.1	K2	3	1	There is a total of 11 questions required for Chapter 4. K2 = 9 K3 = 0 K4 = 2 Number of points for this chapter = 15
TA-4.2.2	K2		1	
TA-4.2.3	K2	3	1	
TA-4.2.4	K2		1	
TA-4.2.5	K2	3	1	
TA-4.2.6	K2	3	1	
TA-4.2.7	K4	2	3	
Chapter 5				
TA-5.2.1	K3	3	2	There is a total of 3 questions required for Chapter 5. K2 = 0 K3 = 3 K4 = 0 Number of points for this chapter = 6
TA-5.2.2	K3			
Chapter 6				
TA-6.2.1	K3	1	2	There is a total of 2 questions required for Chapter 6. K2 = 1 K3 = 1 K4 = 0 Number of points for this chapter = 3
TA-6.3.1	K2	1	1	
TOTALT 120 minutes for 40 questions				



K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	17	1	17
K3	6	3	18
K4	17	4	68
<b>TOTALS</b>	<b>40</b>		<b>103</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
TA-1.2.1	K2	1	1	There is a total of 6 questions required for Chapter 1. K2 = 4 K3 = 0 K4 = 2 Number of points for this chapter = 10
TA-1.3.1	K2	1	1	
TA-1.4.1	K2	1	1	
TA-1.4.2	K4	2	3	
TA-1.4.3	K2	1	1	
TA-1.5.1				
TA-1.6.1				
Chapter 2				
TA-2.1.1	K3	1	2	There is a total of 1 questions required for Chapter 2. K2 = 0 K3 = 1 K4 = 0 Number of points for this chapter = 2
Chapter 3				
TA-3.2.1	K4	1	3	There is a total of 17 questions required for Chapter 3. K2 = 3 K3 = 1 K4 = 13 Number of points for this chapter = 44
TA-3.2.2	K4	1	3	
TA-3.2.3	K4	2	3	
TA-3.2.4	K4	2	3	
TA-3.2.5	K2	1	1	
TA-3.2.6	K4	2	3	
TA-3.2.7	K4	2	3	
TA-3.2.8	K4	2	3	
TA-3.3.1	K2	1	1	
TA-3.3.2	K3	1	2	
TA-3.3.3	K2	1	1	
TA-3.4.1	K4	1	3	
Chapter 4				
TA-4.2.1	K2	3	1	There is a total of 11 questions required for Chapter 4. K2 = 9 K3 = 0 K4 = 2 Number of points for this chapter = 15
TA-4.2.2	K2		1	
TA-4.2.3	K2	3	1	
TA-4.2.4	K2		1	
TA-4.2.5	K2	3	1	
TA-4.2.6	K2	3	1	
TA-4.2.7	K4	2	3	
Chapter 5				
TA-5.2.1	K3	3	2	There is a total of 3 questions required for Chapter 5. K2 = 0 K3 = 3 K4 = 0 Number of points for this chapter = 6
TA-5.2.2	K3			
Chapter 6				
TA-6.2.1	K3	1	2	There is a total of 2 questions required for Chapter 6. K2 = 1 K3 = 1 K4 = 0 Number of points for this chapter = 3
TA-6.3.1	K2	1	1	
TOTALT 120 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	22	1	22
K3	15	3	45
K4	8	4	32
<b>TOTALS</b>	<b>45</b>		<b>99</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
TTA-1.2.1	K2	1	1	There is a total of 2 questions required for Chapter 1. K2 = 2 K3 = 0 K4 = 0 Number of points for this chapter = 2
TTA-1.2.2	K2	1	1	
Chapter 2				
TTA-2.2.1	K3	1	2	There is a total of 8 questions required for Chapter 2. K2 = 1 K3 = 5 K4 = 2 Number of points for this chapter = 17
TTA-2.3.1	K3	1	2	
TTA-2.4.1	K3	1	2	
TTA-2.5.1	K3	1	2	
TTA-2.6.1	K3	1	2	
TTA-2.7.1	K2	1	1	
TTA-2.8.1	K4	2	3	
Chapter 3				
TTA-3.2.1	K3	2	2	There is a total of 7 questions required for Chapter 3. K2 = 2 K3 = 5 K4 = 0 Number of points for this chapter = 12
TTA-3.2.2	K2	1	1	
TTA-3.2.3	K3	2	2	
TTA-3.2.4	K2	1	1	
TTA-3.3.1	K3	1	2	
Chapter 4				
TTA-4.2.1	K4	2	3	There is a total of 13 questions required for Chapter 4. K2 = 7 K3 = 4 K4 = 2 Number of points for this chapter = 21
TTA-4.2.2	K3	2	2	
TTA-4.2.3	K2	2	1	
TTA-4.2.4	K3	2	2	
TTA-4.3.1	K2	1	1	
TTA-4.3.2				
TTA-4.4.1	K2	1	1	
TTA-4.4.2				
TTA-4.5.1	K2	1	1	
TTA-4.5.2	K2	1	1	
TTA-4.6.1				
TTA-4.7.1	K2	2	1	
TTA-4.8.1				
Chapter 5				
TTA-5.1.1	K2	1	1	There is a total of 5 questions required for Chapter 5. K2 = 1 K3 = 0 K4 = 4 Number of points for this chapter = 13
TTA-5.2.1	K4	2	3	
TTA-5.2.2	K4	2	3	
Chapter 6				
TTA-6.1.1	K2	1	1	There is a total of 10 questions required for Chapter 6. K2 = 9 K3 = 1 K4 = 0 Number of points for this chapter = 11
TTA-6.1.2	K2	1	1	
TTA-6.1.3	K2	1	1	
TTA-6.1.4	K3	1	2	
TTA-6.2.1	K2	1	1	
TTA-6.2.2	K2	1	1	
TTA-6.2.3	K2	1	1	
TTA-6.2.4	K2	1	1	
TTA-6.2.5	K2	1	1	
TTA-6.2.6	K2	1	1	
TOTALT 120 minutes for 45 questions of 76 points				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	20	1	20
K3	17	3	51
K4	8	4	32
<b>TOTALS</b>	<b>45</b>		<b>103</b>

\* If there are more questions to distribute between LOs in a group of LOs then at least ONE question MUST BE BASED ON each LO  
 If there are less questions to distribute between LOs in a group of LOs then each question MUST COVER a different LO

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
TTA-1.2.1	K2	1	1	There is a total of 2 questions required for Chapter 1. K2 = 2 K3 = 0 K4 = 0 Number of points for this chapter = 2
TTA-1.2.2	K2	1	1	
Chapter 2				
TTA-2.2.1	K3	1	2	There is a total of 8 questions required for Chapter 2. K2 = 1 K3 = 5 K4 = 2 Number of points for this chapter = 17
TTA-2.3.1	K3	2	2	
TTA-2.4.1	K3	1	2	
TTA-2.5.1	K3	1	2	
TTA-2.7.1	K2	1	1	
TTA-2.8.1	K4	2	3	
Chapter 3				
TTA-3.2.1	K3	2	2	There is a total of 7 questions required for Chapter 3. K2 = 0 K3 = 7 K4 = 0 Number of points for this chapter = 14
TTA-3.2.2	K3	2	2	
TTA-3.2.3	K3	2	2	
TTA-3.3.1	K3	1	2	
Chapter 4				
TTA-4.2.1	K4	2	3	There is a total of 13 questions required for Chapter 4. K2 = 7 K3 = 4 K4 = 2 Number of points for this chapter = 21
TTA-4.2.2	K3	2	2	
TTA-4.2.3	K2	2	1	
TTA-4.2.4	K3	2	2	
TTA-4.3.1	K2	1	1	
TTA-4.3.2				
TTA-4.4.1	K2	1	1	
TTA-4.4.2				
TTA-4.5.1	K2	1	1	
TTA-4.5.2				
TTA-4.6.1	K2	2	1	
TTA-4.7.1				
TTA-4.8.1				
Chapter 5				
TTA-5.1.1	K2	1	1	There is a total of 5 questions required for Chapter 5. K2 = 1 K3 = 0 K4 = 4 Number of points for this chapter = 13
TTA-5.2.1	K4	2	3	
TTA-5.2.2	K4	2	3	
Chapter 6				
TTA-6.1.1	K2	1	1	There is a total of 10 questions required for Chapter 6. K2 = 9 K3 = 1 K4 = 0 Number of points for this chapter = 11
TTA-6.1.2	K2	1	1	
TTA-6.1.3	K2	1	1	
TTA-6.1.4	K3	1	2	
TTA-6.2.1	K2	1	1	
TTA-6.2.2	K2	1	1	
TTA-6.2.3	K2	1	1	
TTA-6.2.4	K2	1	1	
TTA-6.2.5	K2	1	1	
TTA-6.2.6	K2	1	1	
TOTALT 120 minutes for 45 questions of 78 points				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	5	1	5
K2	22	1	22
K3	5	3	15
K4	0	4	0
<b>TOTALS</b>	<b>32</b>		<b>42</b>

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 If there are less questions to distribute between LOs in a group of LOs then each question MUST COVER a different LO

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
Keywords	K1	1	1	There is a total of 7 questions required for Chapter 1. K1 = 2 K2 = 5 K3 = 0 Number of points for this chapter = 7
FM-1.1.1	K2	1	1	
FM-1.1.2	K2	1	1	
FM-1.2.1	K2	1	1	
FM- 1.2.2	K1	1	1	
FM- 1.3.1	K2	1	1	
FM- 1.3.2	K2	1	1	
Chapter 2				
FM-2.1.1	K3	1	1	There is a total of 13 questions required for Chapter 2. K1 = 4 K2 = 7 K3 = 2 Number of points for this chapter = 13
FM-2.1.2	K3	1	1	
FM-2.1.3	K2	1	1	
FM-2.1.4	K2	1	1	
FM-2.2.1	K1	1	1	
FM-2.2.2	K1	1	1	
FM-2.3.1	K1	1	1	
FM-2.3.2	K2	1	1	
FM-2.3.3	K2	1	1	
FM-2.3.4	K2	1	1	
FM-2.3.5	K2	1	1	
FM-2.3.6	K1	1	1	
FM-2.3.7	K2	1	1	
Chapter 3				
Keywords	K1	2	1	There is a total of 9 questions required for Chapter 3. K1 = 3 K2 = 4 K3 = 2 Number of points for this chapter = 9
FM-3.1.1	K2	1	1	
FM-3.1.2	K3	1	1	
FM-3.1.3	K2	1	1	
FM-3.1.4	K2	1	1	
FM-3.2.1	K1	1	1	
FM-3.2.2	K3	1	1	
FM-3.2.3	K2	1	1	
Chapter 4				
Keywords	K1	1	1	There is a total of 5 questions required for Chapter 4. K1 = 1 K2 = 3 K3 = 1 Number of points for this chapter = 5
FM-4.1.1	K2	1	1	
FM-4.1.2	K2	1	1	
FM-4.1.3	K3	1	1	
FM-4.2.1	K2	1	1	
Chapter 5				
FM-5.1.1	K2	1	1	There is a total of 6 questions required for Chapter 5. K1 = 3 K2 = 3 K3 = 0 Number of points for this chapter = 6
FM-5.1.2	K2	1	1	
FM-5.1.3	K1	1	1	
FM-5.2.1	K1	1	1	
FM-5.2.2	K1	1	1	
FM-5.2.3	K2	1	1	
TOTALT 60 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	19	1	19
K2	15	1	15
K3	6	3	18
K4	0	4	0
<b>TOTALS</b>	<b>40</b>		<b>52</b>

Question Distribution	K-Level	Maximum Number of Questions per LO	Suggested Points per Question		
Chapter 1					
Keywords	K1	1	1	There is a total of 3 questions required for Chapter 1.  K1 = 2 K2 = 1 K3 = 0  Number of points for this chapter = 3	
AuTFL-1.2.1					
AuTFL-1.3.1					
AuTFL-1.4.1					
AuTFL-1.1.1	K2	1	1		
Chapter 2.1					
Keywords	K1	1	1	There is a total of 7 questions required for Chapter 2.1. K1 = 2 K2 = 4 K3 = 1  Number of points for this chapter = 7	
AuTFL-2.1.1.1					
AuTFL-2.1.2.1					
AuTFL-2.1.2.4					
AuTFL-2.1.1.3	K2	1	1		
AuTFL-2.1.2.2	K2	1	1		
AuTFL-2.1.2.3	K2	1	1		
AuTFL-2.1.2.6	K2	1	1		
AuTFL-2.1.2.5	K3	1	1		
Chapter 2.2					
Keywords	K1	1	1	There is a total of 7 questions required for Chapter 2.2. K1 = 3 K2 = 3 K3 = 1  Number of points for this chapter = 7	
AuTFL-2.2.1.2					
AuTFL-2.2.3.2					
AuTFL-2.2.4.1					
AuTFL-2.2.1.1	K2	1	1		
AuTFL-2.2.2.1	K2	1	1		
AuTFL-2.2.4.2	K2	1	1		
AuTFL-2.2.5	K3	1	1		
Chapter 2.3					
Keywords	K1	1	1	There is a total of 2 questions required for Chapter 2.3. K1 = 2 K2 = 0 K3 = 0  Number of points for this chapter = 2	
AuTFL-2.3.1					
AuTFL-2.3.3					
Chapter 2.4					
Keywords	K1	1	1	There is a total of 2 questions required for Chapter 2.4. K1 = 1 K2 = 1 K3 = 0  Number of points for this chapter = 2	
AuTFL-2.4.1					
AuTFL-2.4.2	K2	1	1		
Chapter 3.1					
Keywords	K1	1	1		There is a total of 3 questions required for Chapter 3.1. K1 = 2 K2 = 1 K3 = 0  Number of points for this chapter = 3
AuTFL-3.1.1					
AuTFL-3.1.2					
AuTFL-3.1.4					
AUTFL-3.1.3	K2	1	1		
Chapter 3.2					
Keywords	K1	1	1	There is a total of 9 questions required for Chapter 3.2. K1 = 5 K2 = 3 K3 = 1  Number of points for this chapter = 9	
AuTFL-3.2.1.1					
AuTFL-3.2.2.1					
AuTFL-3.2.2.2					
AuTFL-3.2.3.1	K2	1	1		
AuTFL-3.2.4.3					
AuTFL-3.2.1.2	K2	1	1		
AuTFL-3.2.3.2	K2	1	1		
AuTFL-3.2.4.1	K2	1	1		
AuTFL-3.2.4.2	K3	1	1		
Chapter 4.1					
Keywords	K1	1	1	There is a total of 3 questions required for Chapter 4.1. K1 = 1 K2 = 1 K3 = 1  Number of points for this chapter = 3	
AuTFL-4.1.1	K2	1	1		
AuTFL-4.1.2	K3	1	1		
Chapter 4.2					
Keywords	K1	1	1	There is a total of 4 questions required for Chapter 4.2. K1 = 1 K2 = 1 K3 = 2  Number of points for this chapter = 4	
AuTFL_4.2.4					
AuTFL-4.2.2	K2	1	1		
AuTFL-4.2.3					
AuTFL-4.2.5	K3	1	1		
AuTFL-4.2.1	K3	1	1		
TOTALT 60 minutes for 40 questions					

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	6	1	6
K2	29	1	29
K3	2	3	6
K4	3	4	12
<b>TOTALS</b>	<b>40</b>		<b>53</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
UTFL-1.1.1	K2	1	1	There is a total of 8 questions required for Chapter 1. K1 = 0 K2 = 8 K3 = 0 K4 = 0 Number of points for this chapter = 8
UTFL-1.1.2	K2	1	1	
UTFL-1.2.1	K2	1	1	
UTFL-1.2.2	K2	1	1	
UTFL-1.2.3	K2	1	1	
UTFL-1.3.1	K2	1	1	
UTFL-1.3.2	K2	1	1	
UTFL-1.3.3	K2	1	1	
Chapter 2				
UTFL-2.2.1	K2	1	1	There is a total of 2 questions required for Chapter 2. K1 = 0 K2 = 1 K3 = 0 K4 = 1 Number of points for this chapter = 2
UTFL-2.2.2	K4	1	1	
Chapter 3				
UTFL-3.1.1	K2	1	1	There is a total of 3 questions required for Chapter 3. K1 = 0 K2 = 3 K3 = 0 K4 = 0 Number of points for this chapter = 3
UTFL-3.2.1	K2	1	1	
UTFL-3.2.2	K2	1	1	
Chapter 4				
UTFL-4.1.1	K2	1	1	There is a total of 3 questions required for Chapter 4. K1 = 0 K2 = 2 K3 = 0 K4 = 1 Number of points for this chapter = 3
UTFL-4.2.1	K2	1	1	
UTFL-4.2.2	K4	1	1	
Chapter 5				
UTFL-5.2.1	K2	1	1	There is a total of 13 questions required for Chapter 5. K1 = 0 K2 = 11 K3 = 2 K4 = 0 Number of points for this chapter = 13
UTFL-5.3.1	K2	1	1	
UTFL-5.3.2	K2	1	1	
UTFL-5.3.3	K2	1	1	
UTFL-5.3.4	K2	1	1	
UTFL-5.3.5	K2	1	1	
UTFL-5.4.1	K2	1	1	
UTFL-5.5.1	K2	1	1	
UTFL-5.5.2				
UTFL-5.6.1	K3	1	1	
UTFL-5.6.2	K2	1	1	
UTFL-5.6.3	K3	1	1	
UTFL-5.7.1	K2	1	1	
UTFL-5.8.1	K2	1	1	
Chapter 6				
UTFL-6.2.1	K2	1	1	There is a total of 2 questions required for Chapter 6. K1 = 0 K2 = 2 K3 = 0 K4 = 0 Number of points for this chapter = 2
UTFL-6.3.1	K2	1	1	
Chapter 7				
UTFL-7.1.1	K4	1	1	There is a total of 1 questions required for Chapter 7. K1 = 0 K2 = 0 K3 = 0 K4 = 1 Number of points for this chapter = 1
Chapter 8				
UTFL-8.1.1	K2	1	1	There is a total of 2 questions required for Chapter 8. K1 = 0 K2 = 2 K3 = 0 K4 = 0 Number of points for this chapter = 2
UTFL-8.2.1	K2	1	1	
Keywords				
Keywords	K1	6	1	There is a total of 6 questions required for Keywords. K1 = 6 Number of points for Keywords = 6
TOTAL 60 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	4	1	4
K2	26	1	26
K3	10	3	30
K4	0	4	0
<b>TOTALS</b>	<b>40</b>		<b>60</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
AcT-1.1.1	K1	1	1	There is a total of 6 questions required for Chapter 1. K1 = 1 K2 = 5 K3 = 0 Number of points for this chapter = 6
AcT-1.1.2	K2	1	1	
AcT-1.1.3	K2	1	1	
AcT-1.2.1	K2	1	1	
AcT-1.2.2	K1	1	1	
AcT-1.2.3	K2	1	1	
Chapter 2				
AcT-2.1.1	K3	2	1	There is a total of 10 questions required for Chapter 2. K1 = 0 K2 = 6 K3 = 4 Number of points for this chapter = 10
AcT-2.2.1	K2	2	1	
AcT-2.2.2	K3	2	1	
AcT-2.3.1	K2	2	1	
AcT-2.3.2	K2	2	1	
Chapter 3				
AcT-3.1.1	K3	2	1	There is a total of 8 questions required for Chapter 3. K1 = 0 K2 = 4 K3 = 4 Number of points for this chapter = 8
AcT-3.2.1	K3	2	1	
AcT-3.3.1	K2	2	1	
AcT-3.3.1	K2	2	1	
Chapter 4				
AcT-4.1.1	K2	1	1	There is a total of 8 questions required for Chapter 4. K1 = 1 K2 = 7 K3 = 0 Number of points for this chapter = 8
AcT-4.1.2	K1	1	1	
AcT-4.2.1	K2	2	1	
AcT-4.2.2	K2	1	1	
AcT-4.3.1	K2	1	1	
AcT-4.3.2	K2	1	1	
AcT-4.4.1	K2	1	1	
Chapter 5				
AcT-5.1.1	K3	2	1	There is a total of 8 questions required for Chapter 5. K1 = 1 K2 = 5 K3 = 2 Number of points for this chapter = 8
AcT-5.2.1	K2	2	1	
AcT-5.2.2	K2	1	1	
AcT-5.2.3	K2	2	1	
AcT-5.3.1	K1	1	1	
TOTALT 60 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	5	1	5
K2	35	1,5	52,5
K3	0	3	0
K4	0	4	0
<b>TOTALS</b>	<b>40</b>		<b>57,5</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
Keywords	K1	1	1	There is a total of 12 questions required for Chapter 1. K1 = 5 K2 = 7 K3 = 0 Number of points for this chapter = 12
LO-1.1.1	K1	4	1	
LO-1.2.1				
LO-1.6.2				
LO-1.6.3	K2	7	1	
LO-1.1.2				
LO-1.3.1				
LO-1.3.2				
LO-1.3.3				
LO-1.3.4				
LO-1.4.1				
LO-1.4.2				
LO-1.4.3				
LO-1.4.4				
LO-1.4.5				
LO-1.5.1				
LO-1.5.2				
LO-1.6.1				
Chapter 2				
LO-2.1.1	K2	4	1	There is a total of 4 questions required for Chapter 2. K1 = 0 K2 = 4 K3 = 0 Number of points for this chapter = 4
LO-2.1.2				
LO-2.2.1				
LO-2.2.2				
LO-2.2.3				
LO-2.2.4				
Chapter 3				
LO-3.1.1	K2	24	1	There is a total of 24 questions required for Chapter 3. K1 = 0 K2 = 24 K3 = 0 Number of points for this chapter = 24
LO-3.1.2				
LO-3.1.3				
LO-3.2.1				
LO-3.3.1				
LO-3.3.2				
LO-3.3.3				
LO-3.3.4				
LO-3.4.1				
LO-3.4.2				
LO-3.4.3				
LO-3.5.1				
LO-3.5.2				
LO-3.5.3				
LO-3.5.4				
LO-3.6.1				
LO-3.6.2				
LO-3.6.3				
LO-3.6.4				
LO-3.6.5				
LO-3.6.6				
LO-3.6.7				
LO-3.7.1				
LO-3.8.1				
LO-3.9.1				
LO-3.9.2				
LO-3.10.1				
LO-3.10.2				
LO-3.10.3				
TOTAL 60 minutes for 40 questions				



K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	11	1	11
K2	23	1	23
K3	6	3	18
K4	0	4	0
<b>TOTALS</b>	<b>40</b>		<b>52</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
MAT-1.3.1	K1	1	1	There is a total of 8 questions required for Chapter 1. K1 = 1 K2 = 6 K3 = 1 Number of points for this chapter = 8
MAT-1.1.1	K2	6	1	
MAT-1.2.1				
MAT-1.4.1				
MAT-1.5.1				
MAT-1.7.1				
MAT-1.8.1				
MAT-1.6.1	K3	1	1	
Chapter 2				
MAT-2.1.4	K1	4	1	There is a total of 13 questions required for Chapter 2. K1 = 4 K2 = 6 K3 = 3 Number of points for this chapter = 13
MAT-2.1.5				
MAT-2.2.5				
MAT-2.2.6				
MAT-2.1.1	K2	6	1	
MAT-2.1.3				
MAT-2.1.6				
MAT-2.2.2				
MAT-2.2.4				
MAT-2.3.1				
MAT-2.1.2	K3	3	1	
MAT-2.1.7				
MAT-2.1.8				
MAT-2.1.9				
MAT-2.2.1				
MAT-2.2.3				
Chapter 3				
MAT-3.1.4	K1	3	1	There is a total of 11 questions required for Chapter 3. K1 = 3 K2 = 6 K3 = 2 Number of points for this chapter = 11
MAT-3.1.6				
MAT-3.3.1				
MAT-3.1.3				
MAT-3.1.7	K2	6	1	
MAT-3.1.8				
MAT-3.2.1				
MAT-3.2.2				
MAT-3.3.2				
MAT-3.4.1				
MAT-3.4.2	K3	2	1	
MAT-3.1.1				
MAT-3.1.2				
MAT-3.1.5				
MAT-3.3.3				
Chapter 4				
MAT-4.1.1	K1	2	1	There is a total of 4 questions required for Chapter 4. K1 = 2 K2 = 2 K3 = 0 Number of points for this chapter = 4
MAT-4.2.1				
MAT-4.3.1	K2	2	1	
MAT-4.3.2				
MAT-4.4.1				
Chapter 5				
MAT-5.3.1	K1	1	1	There is a total of 4 questions required for Chapter 5. K1 = 1 K2 = 3 K3 = 0 Number of points for this chapter = 4
MAT-5.1.1	K2	3	1	
MAT-5.2.1				
MAT-5.4.1				
TOTAL 60 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	0	2	0
K3	0	3	0
K4	0	4	0
<b>TOTALS</b>	<b>0</b>		<b>0</b>

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
PTFL-1.1	K2	1	1	There is a total of 6 questions required for Chapter 1. K1 = 1 K2 = 5 K3 = 0 K4 = 0 Number of points for this chapter = 6
PTFL-1.2	K2	2	1	
PTFL-1.3	K1	1	1	
PTFL-1.4	K2	1	1	
PTFL-1.5	K2	1	1	
Chapter 2				
PTFL-2.1	K2	1	1	There is a total of 4 questions required for Chapter 2. K1 = 1 K2 = 3 K3 = 0 K4 = 0 Number of points for this chapter = 4
PTFL-2.2	K2	1	1	
PTFL-2.3	K2	1	1	
PTFL-2.4	K1	1	1	
Chapter 3				
PTFL-3.1	K2	2	1	There is a total of 7 questions required for Chapter 3. K1 = 0 K2 = 5 K3 = 0 K4 = 2 Number of points for this chapter = 7
PTFL-3.2	K2	3	1	
PTFL-3.3	K4	1	1	
PTFL-3.4	K4	1	1	
Chapter 4				
PTFL-4.1.1	K4	1	1	There is a total of 20 questions required for Chapter 4. K1 = 0 K2 = 10 K3 = 4 K4 = 6 Number of points for this chapter = 20
PTFL-4.1.2	K4	1	1	
PTFL-4.1.3	K3	2	1	
PTFL-4.2.1	K2	2	1	
PTFL-4.2.2	K2	2	1	
PTFL-4.2.3	K4	1	1	
PTFL-4.2.4	K4	1	1	
PTFL-4.2.5	K4	1	1	
PTFL-4.2.6	K2	2	1	
PTFL-4.2.7	K3	2	1	
PTFL-4.2.8	K2	2	1	
PTFL-4.3.1	K2	2	1	
PTFL-4.4.1	K4	1	1	
Chapter 5				
PTFL-5.1.1	K2	2	1	There is a total of 3 questions required for Chapter 5. K1 = 0 K2 = 2 K3 = 0 K4 = 1 Number of points for this chapter = 3
PTFL-5.2.1	K4	1	1	
TOTALT 60 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	17	1	17
K3	11	3	33
K4	12	4	48
<b>TOTALS</b>	<b>40</b>		<b>98</b>

\* If there are more questions to distribute between LOs in a group of LOs then at least ONE question MUST BE BASED ON each LO  
 If there are less questions to distribute between LOs in a group of LOs then each question MUST COVER a different LO

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
AL-TAE-1.1.1	K2	1	1	There is a total of 2 questions required for Chapter 1. K2 = 2 K3 = 0 K4 = 0 Number of points for this chapter = 2
AL-TAE-1.2.1	K2	1	1	
Chapter 2				
AL-TAE-2.1.1	K4	2	3	There is a total of 5 questions required for Chapter 2. K2 = 2 K3 = 0 K4 = 3 Number of points for this chapter = 11
AL-TAE-2.2.1	K4	1	3	
AL-TAE-2.3.1	K2	2	1	
Chapter 3				
AL-TAE-3.1.1	K2	1	1	There is a total of 10 questions required for Chapter 3. K2 = 5 K3 = 2 K4 = 3 Number of points for this chapter = 18
AL-TAE-3.2.1	K4	1	3	
AL-TAE-3.2.2	K2	1	1	
AL-TAE-3.2.3	K2	2	1	
AL-TAE-3.2.4	K4	2	3	
AL-TAE-3.3.1	K3	2	2	
AL-TAE-3.3.2	K2	1	1	
Chapter 4				
AL-TAE-4.1.1	K3	2	2	There is a total of 4 questions required for Chapter 4. K2 = 1 K3 = 2 K4 = 2 Number of points for this chapter = 11
AL-TAE-4.2.1	K4	2	3	
AL-TAE-4.3.1	K2	1	1	
Chapter 5				
AL-TAE-5.1.1	K2	2	1	There is a total of 6 questions required for Chapter 5. K2 = 3 K3 = 2 K4 = 1 Number of points for this chapter = 10
AL-TAE-5.2.1	K3	2	2	
AL-TAE-5.3.1	K4	1	3	
AL-TAE-5.4.1	K2	1	1	
Chapter 6				
AL-TAE-6.1.1	K3	1	2	There is a total of 5 questions required for Chapter 6. K2 = 4 K3 = 1 K4 = 0 Number of points for this chapter = 6
AL-TAE-6.1.2	K2	1	1	
AL-TAE-6.2.1	K2	1	1	
AL-TAE-6.3.1	K2	1	1	
AL-TAE-6.4.1	K2	1	1	
Chapter 7				
AL-TAE-7.1.1	K3	2	2	There is a total of 4 questions required for Chapter 7. K2 = 0 K3 = 4 K4 = 0 Number of points for this chapter = 8
AL-TAE-7.2.1	K3	2	2	
Chapter 8				
AL-TAE-8.1.1	K4	2	3	There is a total of 3 questions required for Chapter 9. K2 = 0 K3 = 0 K4 = 3 Number of points for this chapter = 9
AL-TAE-8.2.1	K4	1	3	
TOTAL 90 minutes for 40 questions				

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	20	1	20
K3	15	3	45
K4	10	4	40
<b>TOTALS</b>	<b>45</b>		<b>105</b>

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 If there are less questions to distribute between LOs in a group of LOs then each question MUST COVER a different LO

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question				
Chapter 1							
AS – 1.1.1	K2	1	1	There is a total of 4 questions required for Chapter 1. K2 = 2 K3 = 0 K4 = 2 Number of points for this chapter = 8			
AS – 1.3.1							
AS – 1.1.2	K4	1	3				
AS – 1.1.3							
AS – 1.2.1	K2	1	1				
AS – 1.2.2	K4	1	3				
Chapter 2							
AS – 2.2.1	K2	1	1	There is a total of 6 questions required for Chapter 2. K2 = 2 K3 = 3 K4 = 1 Number of points for this chapter = 11			
AS – 2.3.1							
AS – 2.4.1	K2	1	1				
AS – 2.4.3							
AS – 2.4.2	K3	1	2				
AS – 2.5.1	K3	1	2				
AS – 2.6.1	K4	1	3				
AS – 2.6.2							
AS – 2.7.1							
AS – 2.6.3	K3	1	2				
Chapter 3							
AS – 3.1.1	K3	1	2	There is a total of 6 questions required for Chapter 3. K2 = 2 K3 = 2 K4 = 2 Number of points for this chapter = 12			
AS – 3.2.1	K4	1	3				
AS – 3.3.1	K3	1	2				
AS – 3.3.2							
AS – 3.4.1	K2	1	1				
AS – 3.6.1							
AS – 3.4.2	K2	1	1				
AS – 3.5.1	K4	1	3				
Chapter 4							
AS – 4.1.1	K2	1	1	There is a total of 8 questions required for Chapter 4. K2 = 2 K3 = 4 K4 = 2 Number of points for this chapter = 16			
AS – 4.1.2	K3	1	2				
AS – 4.2.1	K4	1	3				
AS – 4.3.1							
AS – 4.4.1	K2	1	1				
AS – 4.4.4							
AS – 4.4.2	K3	1	2				
AS – 4.4.5	K4	1	3				
AS – 4.4.3							
AS – 4.5.1	K3	1	2				
AS – 4.6.1	K3	1	2				
AS – 4.5.2							
Chapter 5							
AS – 5.1.1	K2	4	1	There is a total of 8 questions required for Chapter 5. K2 = 4 K3 = 4 K4 = 0 Number of points for this chapter = 12			
AS – 5.2.1							
AS – 5.3.1							
AS – 5.4.1							
AS – 5.5.1							
AS – 5.6.1							
AS – 5.7.1							
AS – 5.8.1							
AS – 5.1.2					K3	4	2
AS – 5.2.2							
AS – 5.3.2							
AS – 5.4.2							
AS 5.5.2							
AS – 5.6.2							
AS – 5.7.2							
AS – 5.8.2							
Chapter 6							
AS – 6.1.1	K2	1	1	There is a total of 5 questions required for Chapter 6. K2 = 2 K3 = 2 K4 = 1 Number of points for this chapter = 9			
AS – 6.3.1							
AS – 6.1.2	K3	1	2				
AS – 6.1.3	K2	1	1				
AS – 6.2.1							
AS – 6.1.4	K4	1	3				
AS – 6.3.2	K3	1	2				
Chapter 7							
AS – 7.1.1	K2	1	1	There is a total of 3 questions required for Chapter 7. K2 = 2 K3 = 0 K4 = 1 Number of points for this chapter = 5			
AS – 7.2.1	K2	1	1				
AS – 7.2.2							
AS – 7.2.3	K4	1	3				
Chapter 8							
AS – 8.1.1	K2	1	1	There is a total of 3 questions required for Chapter 8. K2 = 2 K3 = 0 K4 = 1 Number of points for this chapter = 5			
AS – 8.2.1	K4	1	3				
AS – 8.2.2	K2	1	1				
AS – 8.2.3							
Chapter 9							
AS – 9.1.1	K2	1	1	There is a total of 2 questions required for Chapter 9. K2 = 2 K3 = 0 K4 = 0 Number of points for this chapter = 2			
AS – 9.3.1							
AS – 9.1.2	K2	1	1				
AS – 9.2.1							
TOTAL 120 minutes for 45 questions							

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	4	1	4
K2	29	1	29
K3	3	3	9
K4	4	4	16
<b>TOTALS</b>	<b>40</b>		<b>58</b>

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Question Distribution	K-Level	Number of Questions per LO   Suggested Points per Question			
Chapter 1					
AI-1.4.1	K1	1	1	There is a total of 4 questions required for Chapter 1. K1 = 1 K2 = 3 K3 = 0 K4 = 0 Number of points for this chapter = 4	
AI-1.5.1					
AI-1.1.1	K2	3	1		
AI-1.2.1					
AI-1.3.1					
AI-1.6.1					
AI-1.7.1					
AI-1.8.1					
AI-1.9.1					
Chapter 2					
AI-2.8.1	K1	1	1	There is a total of 4 questions required for Chapter 2. K1 = 1 K2 = 3 K3 = 0 K4 = 0 Number of points for this chapter = 4	
AI-2.1.1					
AI-2.2.1	K2	3	1		
AI-2.3.1					
AI-2.4.1					
AI-2.5.1					
AI-2.6.1					
AI-2.7.1					
Chapter 3					
AI-3.1.1	K2	3	1	There is a total of 4 questions required for Chapter 3. K1 = 0 K2 = 3 K3 = 1 K4 = 0 Number of points for this chapter = 5	
AI-3.1.2					
AI-3.1.3					
AI-3.2.1					
AI-3.4.1					
AI-3.5.1					
AI-3.3.1	K3	1	2		
Chapter 4					
AI-4.5.1	K1	1	1		There is a total of 4 questions required for Chapter 4. K1 = 1 K2 = 3 K3 = 0 K4 = 0 Number of points for this chapter = 4
AI-4.5.2					
AI-4.1.1	K2	3	1		
AI-4.2.1	K2				
AI-4.3.1	K2				
AI-4.4.1	K2				
Chapter 5					
AI-5.2.1	K2	1	1	There is a total of 3 questions required for Chapter 5. K1 = 0 K2 = 1 K3 = 1 K4 = 1 Number of points for this chapter = 5	
AI-5.3.1					
AI-5.5.1					
AI-5.1.1	K3	1	2		
AI-5.4.1	K4	1	2		
Chapter 6					
AI-6.1.1	K2	2	1		There is a total of 2 questions required for Chapter 6. K1 = 0 K2 = 2 K3 = 0 K4 = 0 Number of points for this chapter = 2
AI-6.2.1					
Chapter 7					
AI-7.3.1	K1	1	1	There is a total of 4 questions required for Chapter 7. K1 = 1 K2 = 2 K3 = 0 K4 = 1 Number of points for this chapter = 5	
AI-7.1.1	K2	2	1		
AI-7.2.1					
AI-7.4.1					
AI-7.5.1					
AI-7.6.1					
AI-7.7.1	K4	1	2		
Chapter 8					
AI-8.1.1	K2	3	1		There is a total of 4 questions required for Chapter 8. K1 = 0 K2 = 3 K3 = 0 K4 = 1 Number of points for this chapter = 5
AI-8.2.1					
AI-8.3.1					
AI-8.4.1					
AI-8.5.1					
AI-8.6.1					
AI-8.7.1					
AI-8.8.1	K4	1	2		
Chapter 9					
AI-9.1.1	K2	4	1	There is a total of 6 questions required for Chapter 9. K1 = 0 K2 = 4 K3 = 1 K4 = 1 Number of points for this chapter = 8	
AI-9.2.1					
AI-9.3.1					
AI-9.4.1					
AI-9.6.1					
AI-9.5.1	K3	1	2		
AI-9.7.1	K4	1	2		
Chapter 10					
AI-10.1.1	K2	1	1		There is a total of 1 question required for Chapter 10. K1 = 0 K2 = 1 K3 = 0 K4 = 0 Number of points for this chapter = 1
AI-10.2.1					
Chapter 11					
AI-11.1.1	K2	4	1	There is a total of 4 questions required for Chapter 11. K1 = 0 K2 = 4 K3 = 0 K4 = 0 Number of points for this chapter = 4	
AI-11.2.1					
AI-11.3.1					
AI-11.4.1					
AI-11.5.1					
AI-11.6.1					
TOTAL 60 minutes for 40 questions					