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Purpose

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

Exam Structures Rules Compatible with Syllabus on Foundation Advanced Level

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 **v3.1**	40	40	26,00	26	60	75
Core	Advanced	CTAL-TM	Certified Tester Advanced Level **Test Manager v2.0 (2012)**	65	115	74,75	75	180	225
Core	Advanced	CTAL-TA	Certified Tester Advanced Level **Test Analyst v3.0 (2019)**	40	80	52,00	52	120	150
			Certified Tester Advanced Level **Test Analyst v3.1**	40	80	52,00	52	120	150
Core	Advanced	CTAL-TTA	Certified Tester Advanced Level **Technical Test Analyst v3.0 (2019)**	45	76	49,40	50	120	150
			Certified Tester Advanced Level **Technical Test Analyst v4.0**	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

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
TOTALS	40		56

* [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

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
Keywords	K1	1	1	
FL-1.1.1	K1	1	1	
FL-1.5.1				
FL-1.1.2	K2	6	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-1.2.1				
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	
FL-2.3.2				There is a total of 5 questions required for Chapter 2.
FL-2.1.1	K2	4	1	K1 = 1
FL-2.2.1				K2 = 4
FL-2.3.1				K3 = 0
FL-2.3.3				Number of points for this chapter = 5
FL-2.4.1				
FL-2.4.2				
Chapter 3				
FL-3.1.1	K1	1	1	
FL-3.2.2				There is a total of 5 questions required for Chapter 3.
FL-3.1.2	K2	3	1	K1 = 1
FL-3.1.3				K2 = 3
FL-3.2.1				K3 = 1
FL-3.2.3				Number of points for this chapter = 5
FL-3.2.5				
FL-3.2.4	K3	1	1	
Chapter 4				
Keywords	K1	1	1	
FL-4.1.1	K2	4	1	
FL-4.3.1				
FL-4.3.2				There is a total of 11 questions required for Chapter 4.
FL-4.3.3				K1 = 1
FL-4.4.1				K2 = 5
FL-4.4.2				K3 = 5
FL-4.4.3				Number of points for this chapter = 11
FL-4.2.1	K3	3	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	
FL-5.2.5				
FL-5.3.1				
FL=5.5.1				
FL-5.1.1	K2	5	1	
FL-5.2.1				There is a total of 9 questions required for Chapter 5.
FL-5.2.2				K1 = 2
FL-5.2.3				K2 = 5
FL-5.2.6				K3 = 2
FL-5.3.2				Number of points for this chapter = 9
FL-5.4.1				
FL-5.5.2				
FL-5.5.3	K3	2	1	
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.
FL-6.1.3				K1 = 1
FL-6.2.1				K2 = 1
FL-6.2.2				K3 = 0
FL-6.2.3				Number of points for this chapter = 2
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
TOTALS	40		56

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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.
FA-1.1.1				K1 = 5
FA-1.2.1				K2 = 7
FA-1.2.5				K3 = 1
FA-1.1.2	K2	2	1	Number of points for this chapter = 13
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.
FA-2.1.1	K2	1	1	
FA-2.1.2	K2	1	1	K1 = 1
FA-2.1.3	K2	2	1	K2 = 11
FA-2.2.1	K2	2	1	K3 = 0
FA-2.2.2	K2	2	1	Number of points for this chapter = 12
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.
FA-3.1.1				
FA 3.1.2				K1 = 4
FA-3.4.1				K2 = 4
FA-3.1.3	K2	2	1	K3 = 7
FA 3.1.4	K3	1	1	Number of points for this chapter = 15
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
TOTALS	40		79

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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.
ATT-1.1.2-2				K2 = 3
ATT-1.1.1-1	K4	3	3	K3 = 0
ATT-1.1.2-1				K4 = 4
				Number of points for this chapter = 12
Chapter 2				
ATT-2.1.1-2	K2	3	1	
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				There is a total of 20 questions required for Chapter 2.
ATT-2.3.1	K2	1	1	
ATT-2.3.2-2	K2	3	1	K2 = 11
ATT-2.3.1-2				K3 = 3
ATT-2.1.1	K3	3	2	K4 = 6
ATT-2.1.2				Number of points for this chapter = 35
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.
ATT-3.1.3-1	K2	3	1	
ATT-3.1.3-2				K2 = 7
ATT-3.2.1	K2	3	1	K3 = 2
ATT-3.2.1-2				K4 = 0
ATT-3.1.1	K3	2	2	Number of points for this chapter = 11
Chapter 4				
ATT-4.1.2	K2	1	1	There is a total of 5 questions required for Chapter 4.
ATT-4.2.1	K2	3	1	K2 = 4
ATT-4.2.1-2				K3 = 1
				K4 = 0
ATT-4.1.1	K3	1	2	Number of points for this chapter = 6
TOTALT 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	additional option of 6 to 7 questions
K3	15	3	45	addtional option of 1 question
K4	16	4	64	
TOTALS	63		141	

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.
TM-1.3.1	K3	2		
TM-1.3.2	K2	1		
TM-1.4.1	K3	2		There is a total of 13 (14) questions required for Chapter 1.
TM-1.5.1	K3	2		K2 = 2 (3)
TM-1.6.1	K3	2		K3 = 9
TM-1.7.1	K2	1		K4 = 2
TM-1.8.1	K2	*		
TM-1.8.2	K3	1		
Chapter 2				
TM-2.2.1	K4	2		
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	*		A minimum of ONE question MUST be written against the selectable LOs marked with an asterisk.
TM 2.4.1	K4	1		
TM-2.4.2	K4	1		There is a total of 25 questions required for Chapter 2.
TM-2.4.3	K2	2		K2 = 14
TM-2.4.4	K3	1		K3 = 3
TM-2.5.1	K3	1		K4 = 8
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.
TM-3.3.1	K4	2		K2 = 3
TM-3.3.2	K2	1		K3 = 1
TM-3.4.1	K3	1		K4 = 2
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.
TM-4.2.2	K2	1		K2 = 2
TM-4.3.1	K3	1		K3 = 2
TM-4.4.1	K2	1		K4 = 0
Chapter 5				
TM-5.2.1	K2	1		A minimum of TWO question MUST be written against the selectable LOs marked with an asterisk.
TM-5.3.1	K3	*		
TM-5.4.1	K2	*		There is a total of 3 questions required for Chapter 5.
TM-5.5.1	K2	*		K2 = 1 (3)
TM-5.6.1	K2	*		K3 = 0 (1)
TM-5.7.1	K2	*		K4 = 0
Chapter 6				
TM-6.2.1	K2	1		A minimum of ONE question MAY be written against the selectable LO marked with an asterisk.
TM-6.2.2	K2	1		
TM-6.2.3	K4	1		There is a total of 4 (5) questions required for Chapter 6.
TM-6.3.1	K2	1		K2 = 3 (4)
TM-6.4.1	K2	*		K3 = 0
				K4 = 1
Chapter 7				
TM-7.2.1	K4	2		A minimum of ONE question MUST be written against the selectable LOs marked with an asterisk.
TM-7.2.2	K4	1		
TM-7.3.1	K2	1		
TM-7.4.1	K2	*		There is a total of 7 questions required for Chapter 7.
TM-7.5.1	K2	2		K2 = 4
TM-7.6.1	K2	*		K3 = 0
				K4 = 3
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
TOTALS	40		103

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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	
TA-1.3.1	K2	1	1	There is a total of 6 questions required for Chapter 1.
TA-1.4.1	K2	1	1	K2 = 4
TA-1.4.2	K4	2	3	K3 = 0
TA-1.4.3				K4 = 2
TA-1.5.1	K2	1	1	Number of points for this chapter = 10
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	
TA-3.2.2	K4	1	3	
TA-3.2.3	K4	2	3	
TA-3.2.4	K4	2	3	There is a total of 17 questions required for Chapter 3.
TA-3.2.5	K2	1	1	K2 = 3
TA-3.2.6	K4	2	3	K3 = 1
TA-3.2.7	K4	2	3	K4 = 13
TA-3.2.8	K4	2	3	Number of points for this chapter = 44
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.
TA-4.2.2	K2			
TA-4.2.3	K2	3	1	K2 = 9
TA-4.2.4	K2			K3 = 0
TA-4.2.5	K2	3	1	K4 = 2
TA-4.2.6	K2			Number of points for this chapter = 15
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
TA-5.2.2	K3			Number of points for this chapter = 6
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
TA-6.3.1	K2	1	1	Number of points for this chapter = 3
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
TOTALS	40		103

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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.
TA-1.3.1	K2	1	1	K2 = 4
TA-1.4.1	K2	1	1	K3 = 0
TA-1.4.2	K4	2	3	K4 = 2
TA-1.4.3				Number of points for this chapter = 10
TA-1.5.1	K2	1	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	
TA-3.2.2	K4	1	3	
TA-3.2.3	K4	2	3	
TA-3.2.4	K4	2	3	There is a total of 17 questions required for Chapter 3.
TA-3.2.5	K2	1	1	K2 = 3
TA-3.2.6	K4	2	3	K3 = 1
TA-3.2.7	K4	2	3	K4 = 13
TA-3.2.8	K4	2	3	Number of points for this chapter = 44
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.
TA-4.2.2	K2			
TA-4.2.3	K2	3	1	K2 = 9
TA-4.2.4	K2			K3 = 0
TA-4.2.5	K2	3	1	K4 = 2
TA-4.2.6	K2			Number of points for this chapter = 15
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
TA-5.2.2	K3			Number of points for this chapter = 6
Chapter 6				
TA-6.2.1	K3	1	2	There is a total of 2 questions required for Chapter 6. K2 = 1 K3 = 1
TA-6.3.1	K2	1	1	K4 = 0 Number of points for this chapter = 3
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
TOTALS	45		99

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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 TTA-4.3.2	K2	1	1	
TTA-4.4.1 TTA-4.4.2	K2	1	1	
TTA-4.5.1 TTA-4.5.2	K2	1	1	
TTA-4.6.1 TTA-4.7.1 TTA-4.8.1	K2	2	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
TOTALS	45		103

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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
TTA-1.2.2	K2	1	1	Number of points for this chapter = 2
Chapter 2				
TTA-2.2.1	K3	1	2	There is a total of 8 questions required for Chapter 2.
TTA-2.3.1	K3	2	2	
TTA-2.4.1	K3	1	2	K2 = 1
TTA-2.5.1	K3	1	2	K3 = 5
TTA-2.7.1	K2	1	1	K4 = 2
TTA-2.8.1	K4	2	3	Number of points for this chapter = 17
Chapter 3				
TTA-3.2.1	K3	2	2	There is a total of 7 questions required for Chapter 3.
TTA-3.2.2	K3	2	2	K2 = 0
TTA-3.2.3	K3	2	2	K3 = 7
				K4 = 0
TTA-3.3.1	K3	1	2	Number of points for this chapter = 14
Chapter 4				
TTA-4.2.1	K4	2	3	
TTA-4.2.2	K3	2	2	
TTA-4.2.3	K2	2	1	
TTA-4.2.4	K3	2	2	There is a total of 13 questions required for Chapter 4.
TTA-4.3.1 TTA-4.3.2	K2	1	1	K2 = 7
TTA-4.4.1 TTA-4.4.2	K2	1	1	K3 = 4
TTA-4.5.1 TTA-4.5.2	K2	1	1	K4 = 2
TTA-4.6.1 TTA-4.7.1 TTA-4.8.1	K2	2	1	Number of points for this chapter = 21
Chapter 5				
TTA-5.1.1	K2	1	1	There is a total of 5 questions required for Chapter 5.
TTA-5.2.1	K4	2	3	K2 = 1
				K3 = 0
				K4 = 4
TTA-5.2.2	K4	2	3	Number of points for this chapter = 13
Chapter 6				
TTA-6.1.1	K2	1	1	
TTA-6.1.2	K2	1	1	
TTA-6.1.3	K2	1	1	There is a total of 10 questions required for Chapter 6.
TTA-6.1.4	K3	1	2	
TTA-6.2.1	K2	1	1	K2 = 9
TTA-6.2.2	K2	1	1	K3 = 1
TTA-6.2.3	K2	1	1	K4 = 0
TTA-6.2.4	K2	1	1	Number of points for this chapter = 11
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
TOTALS	32		42

* 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 7 questions required for Chapter 1.
FM-1.1.1	K2	1	1	K1 = 2
FM-1.1.2	K2	1	1	K2 = 5
FM-1.2.1	K2	1	1	K3 = 0
FM- 1.2.2	K1	1	1	Number of points for this chapter = 7
FM- 1.3.1	K2	1	1	
FM- 1.3.2	K2	1	1	
Chapter 2				
FM-2.1.1	K3	1	1	
FM-2.1.2	K3	1	1	
FM-2.1.3	K2	1	1	
FM-2.1.4	K2	1	1	There is a total of 13 questions required for Chapter 2.
FM-2.2.1	K1	1	1	K1 = 4
FM-2.2.2	K1	1	1	K2 = 7
FM-2.3.1	K1	1	1	K3 = 2
FM-2.3.2	K2	1	1	Number of points for this chapter = 13
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	
FM-3.1.1	K2	1	1	There is a total of 9 questions required for Chapter 3.
FM-3.1.2	K3	1	1	K1 = 3
FM-3.1.3	K2	1	1	K2 = 4
FM-3.1.4	K2	1	1	K3 = 2
FM-3.2.1	K1	1	1	Number of points for this chapter = 9
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.
FM-4.1.1	K2	1	1	K1 = 1
FM-4.1.2	K2	1	1	K2 = 3
FM-4.1.3	K3	1	1	K3 = 1
FM-4.2.1	K2	1	1	Number of points for this chapter = 5
Chapter 5				
FM-5.1.1	K2	1	1	There is a total of 6 questions required for Chapter 5.
FM-5.1.2	K2	1	1	K1 = 3
FM-5.1.3	K1	1	1	K2 = 3
FM-5.2.1	K1	1	1	K3 = 0
FM-5.2.2	K1	1	1	Number of points for this chapter = 6
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
TOTALS	40		52

Question Distribution	K-Level	Maximum Number of Questions per LO	Suggested Points per Question	
Chapter 1				
Keywords				There is a total of 3 questions required for Chapter 1.
AuTFL-1.2.1	K1	1	1	K1 = 2
AuTFL-1.3.1				K2 = 1
AuTFL-1.4.1				K3 = 0
AuTFL-1.1.1	K2	1	1	Number of points for this chapter = 3
Chapter 2.1				
Keywords				There is a total of 7 questions required for Chapter 2.1.
AuTFL-2.1.1.1	K1	1	1	
AuTFL-2.1.2.1				
AuTFL-2.1.2.4				K1 = 2
AuTFL-2.1.1.3	K2	1	1	K2 = 4
AuTFL-2.1.2.2	K2	1	1	K3 = 1
AuTFL-2.1.2.3	K2	1	1	
AuTFL-2.1.2.6	K2	1	1	Number of points for this chapter = 7
AuTFL-2.1.2.5	K3	1	1	
Chapter 2.2				
Keywords				There is a total of 7 questions required for Chapter 2.2.
AuTFL-2.2.1.2	K1	1	1	
AuTFL-2.2.3.2				
AuTFL-2.2.4.1				K1 = 3
AuTFL-2.2.1.1	K2	1	1	K2 = 3
AuTFL-2.2.2.1	K2	1	1	K3 = 1
AuTFL-2.2.4.2	K2	1	1	Number of points for this chapter = 7
AuTFL-2.2.5	K3	1	1	
Chapter 2.3				
Keywords				There is a total of 2 questions required for Chapter 2.3.
AuTFL-2.3.1	K1	1	1	K1 = 2
				K2 = 0
				K3 = 0
AuTFL-2.3.3				Number of points for this chapter = 2
Chapter 2.4				
Keywords				There is a total of 2 questions required for Chapter 2.4.
	K1	1	1	
AuTFL-2.4.1				K1 = 1
				K2 = 1
AuTFL-2.4.2	K2	1	1	K3 = 0
				Number of points for this chapter = 2
Chapter 3.1				
Keywords				There is a total of 3 questions required for Chapter 3.1.
AuTFL-3.1.1	K1	1	1	
AuTFL-3.1.2				K1 = 2
AuTFL-3.1.4				K2 = 1
AUTFL-3.1.3	K2	1	1	K3 = 0
				Number of points for this chapter = 3
Chapter 3.2				
Keywords				
AuTFL-3.2.1.1				
AuTFL-3.2.2.1	K1	1	1	There is a total of 9 questions required for Chapter 3.2.
AuTFL-3.2.2.2				
AuTFL-3.2.3.1				K1 = 5
AuTFL-3.2.4.3				K2 = 3
AuTFL-3.2.1.2	K2	1	1	K3 = 1
AuTFL-3.2.3.2	K2	1	1	Number of points for this chapter = 9
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.
AuTFL-4.1.1	K2	1	1	K1 = 1
				K2 = 1
AuTFL-4.1.2	K3	1	1	K3 = 1
				Number of points for this chapter = 3
Chapter 4.2				
Keywords	K1	1	1	There is a total of 4 questions required for Chapter 4.2.
AuTFL_4.2.4				
AuTFL-4.2.2	K2	1	1	K1 = 1
AuTFL-4.2.3				K2 = 1
AuTFL-4.2.5	K3	1	1	K3 = 2
AuTFL-4.2.1	K3	1	1	Number of points for this chapter = 4
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
TOTALS	40		53

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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	
UTFL-1.1.2	K2	1	1	There is a total of 8 questions required for Chapter 1.
UTFL-1.2.1	K2	1	1	K1 = 0
UTFL-1.2.2	K2	1	1	K2 = 8
UTFL-1.2.3	K2	1	1	K3 = 0
UTFL-1.3.1	K2	1	1	K4 = 0
UTFL-1.3.2	K2	1	1	Number of points for this chapter = 8
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
UTFL-2.2.2	K4	1	1	K4 = 1 Number of points for this chapter = 2
Chapter 3				
UTFL-3.1.1	K2	1	1	There is a total of 3 questions required for Chapter 3. K1 = 0
UTFL-3.2.1	K2	1	1	K2 = 3 K3 = 0
UTFL-3.2.2	K2	1	1	K4 = 0 Number of points for this chapter = 3
Chapter 4				
UTFL-4.1.1	K2	1	1	There is a total of 3 questions required for Chapter 4. K1 = 0
UTFL-4.2.1	K2	1	1	K2 = 2 K3 = 0
UTFL-4.2.2	K4	1	1	K4 = 1 Number of points for this chapter = 3
Chapter 5				
UTFL-5.2.1	K2	1	1	
UTFL-5.3.1	K2	1	1	
UTFL-5.3.2	K2	1	1	
UTFL-5.3.3	K2	1	1	There is a total of 13 questions required for Chapter 5.
UTFL-5.3.4	K2	1	1	K1 = 0
UTFL-5.3.5	K2	1	1	K2 = 11
UTFL-5.4.1	K2	1	1	K3 = 2
UTFL-5.5.1	K2	1	1	K4 = 0
UTFL-5.5.2				Number of points for this chapter = 13
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
UTFL-6.3.1	K2	1	1	K3 = 0 K4 = 0 Number of points for this chapter = 2
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
UTFL-8.2.1	K2	1	1	K3 = 0 K4 = 0 Number of points for this chapter = 2
Keywords				
Keywords	K1	6	1	There is a total of 6 questions required for Keywords. K1 = 6 Number of points for Keywords = 6
TOTALT 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
TOTALS	40		60

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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.
AcT-1.1.2	K2	1	1	K1 = 1
AcT-1.1.3	K2	1	1	K2 = 5
AcT-1.2.1	K2	1	1	K3 = 0
AcT-1.2.2	K1	1	1	Number of points for this chapter = 6
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.
AcT-2.2.1	K2	2	1	K1 = 0
AcT-2.2.2	K3	2	1	K2 = 6
AcT-2.3.1	K2	2	1	K3 = 4
AcT-2.3.2	K2	2	1	Number of points for this chapter = 10
Chapter 3				
AcT-3.1.1	K3	2	1	There is a total of 8 questions required for Chapter 3.
AcT-3.2.1	K3	2	1	K1 = 0
AcT-3.3.1	K2	2	1	K2 = 4
AcT-3.3.1	K2	2	1	K3 = 4
				Number of points for this chapter = 8
Chapter 4				
AcT-4.1.1	K2	1	1	There is a total of 8 questions required for Chapter 4.
AcT-4.1.2	K1	1	1	K1 = 1
AcT-4.2.1	K2	2	1	K2 = 7
AcT-4.2.2	K2	1	1	K3 = 0
AcT-4.3.1	K2	1	1	Number of points for this chapter = 8
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.
AcT-5.2.1	K2	2	1	K1 = 1
AcT-5.2.2	K2	1	1	K2 = 5
AcT-5.2.3	K2	2	1	K3 = 2
AcT-5.3.1	K1	1	1	Number of points for this chapter = 8
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
TOTALS	40		57,5

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Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
Keywords	K1	1	1	
LO-1.1.1	K1	4	1	
LO-1.2.1				
LO-1.6.2				
LO-1.6.3				
LO-1.1.2	K2	7	1	There is a total of 12 questions required for Chapter 1.
LO-1.3.1				K1 = 5
LO-1.3.2				K2 = 7
LO-1.3.3				K3 = 0
LO-1.3.4				Number of points for this chapter = 12
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.
LO-2.1.2				K1 = 0
LO-2.2.1				K2 = 4
LO-2.2.2				K3 = 0
LO-2.2.3				Number of points for this chapter = 4
LO-2.2.4				
Chapter 3				
LO-3.1.1	K2	24	1	There is a total of 24 questions required for Chapter 3.
LO-3.1.2				K1 = 0
LO-3.1.3				K2 = 24
LO-3.2.1				K3 = 0
LO-3.3.1				Number of points for this chapter = 24
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				
TOTALT 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
TOTALS	40		52

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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	K2	6	1	
MAT-3.1.7				
MAT-3.1.8				
MAT-3.2.1				
MAT-3.2.2				
MAT-3.3.2				
MAT-3.4.1				
MAT-3.4.2				
MAT-3.1.1	K3	2	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				
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	0	2	0
K3	0	3	0
K4	0	4	0
TOTALS	0		0

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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.
PTFL-1.2	K2	2	1	K1 = 1
PTFL-1.3	K1	1	1	K2 = 5
PTFL-1.4	K2	1	1	K3 = 0
PTFL-1.5	K2	1	1	K4 = 0
				Number of points for this chapter = 6
Chapter 2				
PTFL-2.1	K2	1	1	There is a total of 4 questions required for Chapter 2.
PTFL-2.2	K2	1	1	K1 = 1
PTFL-2.3	K2	1	1	K2 = 3
PTFL-2.4	K1	1	1	K3 = 0
				K4 = 0
				Number of points for this chapter = 4
Chapter 3				
PTFL-3.1	K2	2	1	There is a total of 7 questions required for Chapter 3.
PTFL-3.2	K2	3	1	K1 = 0
PTFL-3.3	K4	1	1	K2 = 5
				K3 = 0
PTFL-3.4	K4	1	1	K4 = 2
				Number of points for this chapter = 7
Chapter 4				
PTFL-4.1.1	K4	1	1	
PTFL-4.1.2	K4	1	1	
PTFL-4.1.3	K3	2	1	
PTFL-4.2.1	K2	2	1	There is a total of 20 questions required for Chapter 4.
PTFL-4.2.2	K2	2	1	
PTFL-4.2.3	K4	1	1	K1 = 0
PTFL-4.2.4	K4	1	1	K2 = 10
PTFL-4.2.5	K4	1	1	K3 = 4
PTFL-4.2.6	K2	2	1	K4 = 6
PTFL-4.2.7	K3	2	1	Number of points for this chapter = 20
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
PTFL-5.2.1	K4	1	1	K3 = 0
				K4 = 1
				Number of points for this chapter = 3
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
TOTALS	40		98

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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	
TOTALT 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
TOTALS	45		105

* 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				
AS − 1.1.1	K2	1	1	There is a total of 4 questions required for Chapter 1.
AS − 1.3.1				K2 = 2
AS - 1.1.2	K4	1	3	K3 = 0
AS − 1.1.3				K4 = 2
AS - 1.2.1	K2	1	1	Number of points for this chapter = 8
AS - 1.2.2	K4	1	3	
Chapter 2				
AS − 2.2.1	K2	1	1	
AS − 2.3.1				
AS − 2.4.1	K2	1	1	There is a total of 6 questions required for Chapter 2.
AS − 2.4.3				
AS − 2.4.2	K3	1	2	K2 = 2
AS − 2.5.1	K3	1	2	K3 = 3
AS − 2.6.1				K4 = 1
AS − 2.6.2	K4	1	3	Number of points for this chapter = 11
AS − 2.7.1				
AS − 2.6.3	K3	1	2	
Chapter 3				
AS − 3.1.1	K3	1	2	
AS − 3.2.1	K4	1	3	There is a total of 6 questions required for Chapter 3.
AS − 3.3.1	K3	1	2	
AS − 3.3.2				K2 = 2
AS − 3.4.1	K2	1	1	K3 = 2
AS − 3.6.1				K4 = 2
AS − 3.4.2	K2	1	1	Number of points for this chapter = 12
AS − 3.5.1	K4	1	3	
Chapter 4				
AS − 4.1.1	K2	1	1	
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	There is a total of 8 questions required for Chapter 4.
AS − 4.4.4				K2 = 2
AS − 4.4.2	K3	1	2	K3 = 4
AS − 4.4.5				K4 = 2
AS − 4.4.3	K4	1	3	Number of points for this chapter = 16
AS − 4.5.1	K3	1	2	
AS − 4.6.1				
AS − 4.5.2	K3	1	2	
Chapter 5				
AS − 5.1.1				
AS − 5.2.1				
AS − 5.3.1				
AS - 5.4.1	K2	4	1	
AS - 5.5.1				
AS - 5.6.1				
AS − 5.7.1				There is a total of 8 questions required for Chapter 5.
AS − 5.8.1				K2 = 4
AS - 5.1.2				K3 = 4
AS - 5.2.2				K4 = 0
AS - 5.3.2				Number of points for this chapter = 12
AS − 5.4.2	K3	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.
AS − 6.3.1				
AS − 6.1.2	K3	1	2	K2 = 2
AS − 6.1.3	K2	1	1	K3 = 2
AS − 6.2.1				K4 = 1
AS − 6.1.4	K4	1	3	Number of points for this chapter = 9
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.
AS − 7.2.1	K2	1	1	K2 = 2
AS − 7.2.2				K3 = 0
				K4 = 1
AS − 7.2.3	K4	1	3	Number of points for this chapter = 5
Chapter 8				
AS − 8.1.1	K2	1	1	There is a total of 3 questions required for Chapter 8.
AS − 8.2.1	K4	1	3	K2 = 2
AS − 8.2.2	K2	1	1	K3 = 0
				K4 = 1
AS − 8.2.3				Number of points for this chapter = 5
Chapter 9				
AS − 9.1.1	K2	1	1	There is a total of 2 questions required for Chapter 9.
AS − 9.3.1				K2 = 2
AS − 9.1.2	K2	1	1	K3 = 0
				K4 = 0
AS − 9.2.1				Number of points for this chapter = 2
TOTALT 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
TOTALS	40		58

* 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	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	K2	3	1	
AI-2.2.1				
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				
TOTALT 60 minutes for 40 questions				