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Purpose

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

Revision History

Version	Date	Remarks
1.5	Oct 21, 2022	Added CT-GaMe v1.0.1
1.4	May 13, 2022	Added CTAL-ATLaS v1.0
1.3	January 14, 2022	Correction for CTFL where LOs 5.4.1, 5.5.2, and 5.5.3 were regretable grouped in the K3 box,
		instead of being part of the K2 box above then (in the list)
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

				Number of	Number of Possible	Exactly 65% of	Passing Score (at	Exam Length, in	Exam Length +
Stream	Level	Acronym		Questions	Points	the points	least 65%)	minutes	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
Core	Advanced	CIAL-IA	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
Core	Advanced	CIAL-IIA	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-ATLaS	Certified Tester Advanced Level Agile Test Leadership at Scale v1.0	15	25	16,25	17	45	56
Agile	Advanced	CTAL-ATT	Certified Tester Advanced Level Agile Technical Tester	40	64	41,60	42	90	113
Specialist		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	NA	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		CT-GaMe	Certified Tester Game Testing	40	40	26,00	26	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
К3	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

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										
FL-1.1.1	K1	1	1										
FL-1.5.1													
FL-1.1.2 FL-1.2.1													
FL-1.2.1 FL-1.2.2													
FL-1.2.3				K1 = 2									
FL-1.2.4				K2 = 6									
FL-1.3.1	K2	6	1	K3 = 0 Number of points for this chapter = 8									
FL-1.4.1				Number of points for this chapter – 8									
FL-1.4.2													
FL-1.4.3													
FL-1.4.4													
FL-1.5.2													
Chapter 2													
FL-2.1.2 FL-2.3.2	K1	1	1										
FL-2.1.1				There is a total of 5 questions required for Chapter 2.									
FL-2.2.1				K1 = 1									
FL-2.3.1				K2 = 4									
FL-2.3.3	K2	4	1	K3 = 0									
FL-2.4.1				Number of points for this chapter = 5									
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				K1 = 1									
FL-3.1.3	К2	3	1	K2 = 3									
FL-3.2.1 FL-3.2.3	KZ	3	1	K3 = 1									
FL-3.2.5					Number of points for this chapter = 5								
FL-3.2.4	К3	1	1										
Chapter 4	N.S	-											
Keywords	K1	1	1										
FL-4.1.1													
FL-4.3.1													
FL-4.3.2				There is a total of 11 questions required for Chapter									
FL-4.3.3	K2	4	1	4.									
FL-4.4.1				K1 = 1									
FL-4.4.2				K2 = 5									
FL-4.4.3 FL-4.2.1	К3	3	1	K3 = 5									
FL-4.2.1 FL-4.2.2	KS	3	1	Number of points for this chapter = 11									
FL-4.2.3	К3	1	1										
FL-4.2.4	К3	1	1										
FL-4.2.5	K2	1	1										
Chapter 5													
FL-5.1.2													
FL-5.2.5													
	K1	2	1										
FL-5.3.1	K1	2	1										
FL-5.5.1	K1	2	1										
FL-5.5.1 FL-5.1.1	K1	2	1	There is a total of 9 questions required for Chapter 5									
FL-5.5.1 FL-5.1.1 FL-5.2.1	K1	2	1	There is a total of 9 questions required for Chapter 5. $K1 = 7$									
FL-5.5.1 FL-5.1.1 FL-5.2.1 FL-5.2.2	K1	2	1	K1 = 2									
FL-5.5.1 FL-5.1.1 FL-5.2.1	K1	5	1										
FL-5.5.1 FL-5.1.1 FL-5.2.1 FL-5.2.2 FL-5.2.3				K1 = 2 K2 = 5									
FL-5.5.1 FL-5.1.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6				K1 = 2 K2 = 5 K3 = 2									
FL-5.5.1 FL-5.1.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2				K1 = 2 K2 = 5 K3 = 2									
FL-5.5.1 FL-5.1.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.3				K1 = 2 K2 = 5 K3 = 2									
FL-5.5.1 FL-5.1.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.3 FL-5.5.3				K1 = 2 K2 = 5 K3 = 2									
FL-5.5.1 FL-5.1.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.3 FL-5.5.3 FL-5.5.4 FL-5.6.1	K2	5	1	K1 = 2 K2 = 5 K3 = 2									
FL-5.5.1 FL-5.1.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.2 FL-5.5.3 FL-5.5.3 FL-5.6.1 Chapter 6	K2	5	1	K1 = 2 K2 = 5 K3 = 2 Number of points for this chapter = 9									
FL-5.5.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.3 FL-5.6.1 Chapter 6 FL-6.1.2	K2	5	1	K1 = 2 K2 = 5 K3 = 2 Number of points for this chapter = 9 There is a total of 2 questions required for Chapter 6.									
FL-5.5.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.3 FL-5.6.1 Chapter 6 FL-6.1.2 FL-6.1.3	K2 K3	2	1	K1 = 2 K2 = 5 K3 = 2 Number of points for this chapter = 9 There is a total of 2 questions required for Chapter 6. K1 = 1									
FL-5.5.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.3 FL-5.6.1 Chapter 6 FL-6.1.2 FL-6.1.3 FL-6.2.1	K2	5	1	K1 = 2 K2 = 5 K3 = 2 Number of points for this chapter = 9 There is a total of 2 questions required for Chapter 6. K1 = 1 K2 = 1									
FL-5.5.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.3 FL-5.6.1 Chapter 6 FL-6.1.2 FL-6.1.3	K2 K3	2	1	K1 = 2 K2 = 5 K3 = 2 Number of points for this chapter = 9 There is a total of 2 questions required for Chapter 6. K1 = 1 K2 = 1 K3 = 0									
FL-5.5.1 FL-5.2.1 FL-5.2.2 FL-5.2.3 FL-5.2.6 FL-5.3.2 FL-5.4.1 FL-5.5.2 FL-5.5.3 FL-5.6.1 Chapter 6 FL-6.1.2 FL-6.1.3 FL-6.2.1 FL-6.2.2	K2 K3	2	1	K1 = 2 K2 = 5 K3 = 2 Number of points for this chapter = 9 There is a total of 2 questions required for Chapter 6. K1 = 1 K2 = 1									

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	10	1	10
K2	22	1	22
К3	8	3	24
K4	0	4	0
TOTALS	40	_	56

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
Keywords				
FA-1.1.1	K1	5	1	There is a total of 13 questions required for Chapter
FA-1.2.1	KI	3	1	1.
FA-1.2.5				K1 = 5
FA-1.1.2	K2	2	1	K1 = 3 K2 = 7
FA-1.1.3	K2	2	1	K2 = 7 K3 = 1
FA-1.2.2	К3	1	1	Number of points for this chapter = 13
FA-1.2.3	K2	2	1	Number of points for this chapter – 13
FA-1.2.4	K2	1	1	
Chapter 2				
Keywords	K1	1	1	
FA-2.1.1	K2	1	1	There is a total of 12 questions required for Chapter
FA-2.1.2	K2	1	1	2.
FA-2.1.3	K2	2	1	K1 = 1
FA-2.2.1	K2	2	1	K2 = 11
FA-2.2.2	K2	2	1	K3 = 0
FA-2.3.1	K2	1	1	Number of points for this chapter = 12
FA-2.3.2	K2	2	1	
Chapter 3		-		
Keywords				
FA-3.1.1	K1	4	1	
FA 3.1.2	KI	4	1	
FA-3.4.1				The section to the faff or continuous contin
FA-3.1.3	K2	2	1	There is a total of 15 questions required for Chapter
FA 3.1.4	К3	1	1	3. K1 = 4
FA-3.2.1	К3	1	1	1
FA-3.2.2	К3	1	1	K2 = 4
FA-3.3.1	К3	1	1	K3 = 7
FA-3.3.2	K2	2	1	Number of points for this chapter = 15
FA-3.3.3	К3	1	1	
FA-3.3.4	К3	1	1	
FA-3.3.5	К3	1	1	
TOTALT 60 minutes for	or 40 questions	5		

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	25	1	25
К3	6	3	18
K4	9	4	36
TOTALS	40		79

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	KΖ	3	1	K2 = 3 K3 = 0
ATT-1.1.1-1	K4	3	3	K4 = 4
ATT-1.1.2-1	K4	3	3	Number of points for this chapter = 12
Chapter 2				
ATT-2.1.1-2	K2	3	1	
ATT-2.1.1-3	KZ	3	1	
ATT-2.1.2-2	K2	1	1	
ATT-2.2.2-2	К2	3	1	
ATT-2-2.1-2	KZ	3	1	There is a total of 20 questions required for Chapter
ATT-2.3.1	K2	1	1	2.
ATT-2.3.2-2	К2	3	1	K2 = 11
ATT-2.3.1-2	NZ	3	•	K3 = 3
ATT-2.1.1	К3	3	2	K4 = 6
ATT-2.1.2	K5	3	2	Number of points for this chapter = 35
ATT-2.1.3	K4	2	3	
ATT-2.2.1	К4	3	3	
ATT-2.2.2	K4	3	J	
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	К2	3	1	K2 = 7
ATT-3.1.3-2	NZ	3	-	K3 = 2
ATT-3.2.1	К2	3	1	K4 = 0
ATT-3.2.1-2	IV.Z	J		Number of points for this chapter = 11
ATT-3.1.1	К3	2	2	ramper 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 K3 = 1
ATT-4.2.1-2		-		K4 = 0
ATT-4.1.1	К3	1	2	Number of points for this chapter = 6
TOTALT 90 minutes for	or 40 questions	;		

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	7	2	14
К3	6	3	18
K4	2	4	8
TOTALS	15		40

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
ATLaS-1.1.1	K2	3	1	There is a total of 3 questions required for Chapter 1. K2 = 3 K3 = 0
ATLaS-1.2.1	KZ	3	1	K3 = 0 K4 = 0 Number of points for this chapter = 3
Chapter 2				
ATLaS-2.1.1	K2	1	1	There is a total of 5 questions required for Chapter 2. K2 = 1
ATLaS-2.1.2	К3	2	2	K3 = 2 K4 = 2
ATLaS-2.2.1	K4	2	3	Number of points for this chapter = 11
Chapter 3				
ATLaS-3.1.1	К3	2	2	There is a total of 7 questions required for Chapter 3.
ATLaS-3.1.2	К2	1	1	K2 = 3 K3 = 4
ATLaS-3.2.1	K2	2	1	K3 = 4 K4 = 0 Number of points for this chapter = 11
ATLaS-3.2.2	К3	2	2	Number of points for this chapter – 11
TOTALT 45 minutes fo	or 15 questions	5		

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	32	1	32
К3	15	3	45
K4	16	4	64
TOTALS	63		141

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

MALS	03		141		
Question Distribution	K-Level	Number of Questions per LO (group)	Suggested Points per Question		
Chapter 1					
TM-1.2.1	K4	2			
TM-1.3.1	К3	2		A minimum of ONE question MAY be written aga	
				the selectable LO marked with an asterisk.	
TM-1.3.2	K2	1			
TM-1.4.1	К3	2		There is a total of 13 (14) questions required f	
TM-1.5.1	К3	2		Chapter 1.	
TM-1.6.1	К3	2			
TM-1.7.1	K2	1		K2 = 2 (3)	
TM-1.8.1	K2	*		K3 = 9	
				K4 = 2	
TM-1.8.2	К3	1			
Chapter 2					
TM-2.2.1	K4	2			
TM-2.2.2	K2	2			
TM-2.2.3	K2	1			
		1			
TM-2.3.1	K2				
TM-2.3.2	K2	1			
TM-2.3.3	K4	2			
TM-2.3.4	K2	2		l	
TM-2.3.5	K2	*		A minimum of ONE question MUST be written ag	
				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 Cha	
TM-2.4.3	K2	2		There is a total of 25 questions required for Cha	
TM-2.4.4	К3	1		2.	
TM-2.5.1	K3	1		K2 = 14	
				K3 = 3	
TM-2.5.2	K2	1		K4 = 8	
TM-2.6.1	K2	1		5	
TM-2.6.2	K2	1			
TM-2.6.3	K4	2			
TM-2.7.1	K2	*			
		_			
TM-2.7.2	К3	1			
TM-2.8.1	K2	1			
TM-2.9.1	K2	*			
Chapter 3					
	K3	1			
TM-3.2.1	K2	1		There is a total of 6 questions required for Chapt	
TM-3.3.1	K4	2		K2 = 3	
TM-3.3.2	K2	1		K3 = 1	
TM-3.4.1	К3	1			
TM-3.5.1	K2	1		K4 = 2	
	NZ.	-			
Chapter 4					
TM-4.2.1	К3	1		There is a total of 4 questions required for Chapt	
TM-4.2.2	К2	1		K2 = 2	
TM-4.3.1	К3	1		K3 = 2	
TM-4.4.1	K2	1		K4 = 0	
	IV.Z	-			
Chapter 5					
TM-5.2.1	K2	1			
				A minimum of TWO question MUST be writte	
TM-5.3.1	К3	*		against the selectable LOs marked with an aster	
Th 4 F	,,,	*		1	
TM-5.4.1	K2	*		There is a total of 2 questions required for Chart	
TMFE 1	V2	*		There is a total of 3 questions required for Chapt	
TM-5.5.1	K2			K2 = 1 (3)	
TM-5.6.1	К2	*		K3 = 0 (1)	
5.0.1	N.E			K4 = 0	
TM-5.7.1	K2	*			
Chapter 6					
TM-6.2.1	K2	1		A minimum of ONE question MAY be written aga	
				the selectable LO marked with an asterisk.	
TM-6.2.2	К2	1		the selectable LO flidikeu with all dSteffsk.	
0.2.2		-			
TM-6.2.3	K4	1		There is a total of 4 (5) questions required for Cha	
1101-0.2.3	N4	1		6.	
TN4.C 2.4	1/2			K2 = 3 (4) K3 = 0	
TM-6.3.1	K2	1			
TM-6.4.1	К2	*			
11VI-0.4.1	NΖ			K4 = 1	
Chapter 7				1	
TM-7.2.1	K4	2		A	
TN 4 7 2 2	,,,	_		A minimum of ONE question MUST be written ag	
TM-7.2.2	K4	1		the selectable LOs marked with an asterisk.	
	1/2	4			
TN 4 7 2 4	K2	1		There is a total of 7 questions required for Chart	
TM-7.3.1	К2	*		There is a total of 7 questions required for Chapt	
				K2 = 4	
TM-7.3.1 TM-7.4.1	NZ.				
TM-7.4.1		2		K3 = 0	
TM-7.4.1 TM-7.5.1	К2	2		K3 = 0 K4 = 3	
TM-7.4.1		2 *			

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

different LO

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	К3	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	There is a total of 17 questions required for Chapter
TA-3.2.4	K4	2	3	
TA-3.2.5	K2	1	1	3.
TA-3.2.6	K4	2	3	K2 = 3
TA-3.2.7	K4	2	3	K3 = 1
TA-3.2.8	K4	2	3	K4 = 13
TA-3.3.1	K2	1	1	Number of points for this chapter = 44
TA-3.3.2	К3	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
TA-4.2.2	K2	-		4.
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	Transcer or points for time snapter 25
Chapter 5				
TA-5.2.1	К3	3	2	There is a total of 3 questions required for Chapter 5. $ K2 = 0 $
TA-5.2.2	К3			K4 = 0 Number of points for this chapter = 6
Chapter 6				
TA-6.2.1	К3	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 question	ns		

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	17	1	17
К3	6	3	18
K4	17	4	68
TOTALS	40		103

different LO

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	К3	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	There is a total of 17 questions required for Chapter
TA-3.2.4	K4	2	3	
TA-3.2.5	K2	1	1	3.
TA-3.2.6	K4	2	3	K2 = 3
TA-3.2.7	K4	2	3	K3 = 1
TA-3.2.8	K4	2	3	K4 = 13
TA-3.3.1	K2	1	1	Number of points for this chapter = 44
TA-3.3.2	К3	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
TA-4.2.2	K2	-		4.
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	Transcer or points for time snapter 25
Chapter 5				
TA-5.2.1	К3	3	2	There is a total of 3 questions required for Chapter 5. $ K2 = 0 $
TA-5.2.2	К3			K4 = 0 Number of points for this chapter = 6
Chapter 6				
TA-6.2.1	К3	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 question	ns		

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

				_
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
TTA-1.2.2	K2	1	1	K4 = 0 Number of points for this chapter = 2
Chapter 2				
TTA-2.2.1	К3	1	2	
TTA-2.3.1	К3	1	2	There is a total of 8 questions required for Chapter 2.
TTA-2.4.1	К3	1	2	K2 = 1
TTA-2.5.1	К3	1	2	K3 = 5
TTA-2.6.1	К3	1	2	K4 = 2
TTA-2.7.1	K2	1	1	Number of points for this chapter = 17
TTA-2.8.1	K4	2	3	
Chapter 3				
TTA-3.2.1	К3	2	2	There is a total of 7 questions required for Chapter 3.
TTA-3.2.2	K2	1	1	K2 = 2
TTA-3.2.3	K3	2	2	K3 = 5
				K4 = 0
TTA-3.2.4	K2	1	1	Number of points for this chapter = 12
TTA-3.3.1	К3	1	2	Number of points for this chapter – 12
Chapter 4				
TTA-4.2.1	K4	2	3	
TTA-4.2.2	К3	2	2	
TTA-4.2.3	K2	2	1	
TTA-4.2.4	К3	2	2	There is a total of 13 questions required for Chapter
TTA-4.3.1 TTA-4.3.2	К2	1	1	4. K2 = 7
TTA-4.4.1 TTA-4.4.2	K2	1	1	K3 = 4
TTA-4.5.1 TTA-4.5.2	К2	1	1	K4 = 2 Number of points for this chapter = 21
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.
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
TTA-6.1.4	К3	1	2	6.
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 4 <u>5 questio</u> r	ns of 76 poin <u>ts</u>		

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
K2	20	1	20
К3	17	3	51
K4	8	4	32
TOTALS	45		103

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	
TTA-1.2.2	К2	1	1	K4 = 0 Number of points for this chapter = 2	
Chapter 2					
TTA-2.2.1	К3	1	2	There is a total of 8 questions required for Chapter 2.	
TTA-2.3.1	К3	2	2	K2 = 1	
TTA-2.4.1	К3	1	2	K2 - 1 K3 = 5	
TTA-2.5.1	К3	1	2	K4 = 2	
TTA-2.7.1	K2	1	1	Number of points for this chapter = 17	
TTA-2.8.1	K4	2	3	Number of points for this chapter = 17	
Chapter 3					
TTA-3.2.1	К3	2	2	There is a total of 7 questions required for Chapter 3.	
TTA-3.2.2	К3	2	2	K2 = 0 K3 = 7	
TTA-3.2.3	К3	2	2	K4 = 0	
TTA-3.3.1	К3	1	2	Number of points for this chapter = 14	
Chapter 4					
TTA-4.2.1	К4	2	3		
TTA-4.2.2	К3	2	2		
TTA-4.2.3	K2	2	1		
TTA-4.2.4	К3	2	2	TI	
TTA-4.3.1	1/2	1	4	There is a total of 13 questions required for Chapter	
TTA-4.3.2	K2	1	1	4. K2 = 7	
TTA-4.4.1	K2	1	1	K2 = 7 K3 = 4	
TTA-4.4.2	NZ	1	1	K3 – 4 K4 = 2	
TTA-4.5.1	K2	1	1	Number of points for this chapter = 21	
TTA-4.5.2	KZ	1	1	Number of points for this chapter – 21	
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.	
TTA-5.2.1	K4	2	3	K2 = 1 K3 = 0	
TTA-5.2.2	К4	2	3	K4 = 4 Number of points for this chapter = 13	
Chapter 6				1	
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 Chap	
TTA-6.1.4	K3	1	2	6.	
TTA-6.2.1	K2	1	1	K2 = 9	
TTA-6.2.2	K2	1	1	K3 = 1 K4 = 0	
TTA-6.2.3	K2	1	1		
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	<u> </u>	
TOTALT 120 minutes	for 45 question	ns 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
К3	5	3	15
K4	0	4	0
TOTALS	32		42

different LO

FM-1.1.2	Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
FM-1.1.1	Chapter 1				
FM-1.1.2	Keywords	K1	1	1	
FM-1.2.1	FM-1.1.1	K2	1	1	There is a total of 7 questions required for Chapter 1.
FM-1,2.2	FM-1.1.2	K2	1	1	K1 = 2
FM-1.3.1	FM-1.2.1	K2	1	1	K2 = 5
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 FM-2.1.4 K2 1 1 FM-2.1.2 K1 1 1 There is a total of 13 questions required for Chap Part Part Part Part Part Part Part Part	FM-1.2.2	K1	1	1	K3 = 0
Chapter 2	FM-1.3.1	K2	1	1	Number of points for this chapter = 7
FM-2.1.1	FM-1.3.2	K2	1	1	
FM-2.1.2	Chapter 2				
FM-2.1.3	FM-2.1.1	К3	1	1	
FM-2.1.4	FM-2.1.2	К3	1	1	
FM-2.2.1 K1 1 1 1 2	FM-2.1.3	K2	1	1	
FM-2.2.1	FM-2.1.4	K2	1	1	There is a total of 13 questions required for Chanter
FM-2.2.2	FM-2.2.1	K1	1	1	
FM-2.3.1	FM-2.2.2	K1	1	1	
FM-2.3.2 K2 1 1 1	FM-2.3.1	K1	1	1	
FM-2.3.3 K2 1 1 1 1	FM-2.3.2	K2	1	1	
FM-2.3.4 K2 1 1 1	FM-2.3.3	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 FM-3.1.2 K3 1 1 K1 = 3 FM-3.1.3 K2 1 1 K1 = 3 FM-3.1.4 K2 1 1 K2 = 4 FM-3.2.1 K1 1 1 Number of points for this chapter = 9 FM-3.2.2 K3 1 1 Number of points for this chapter = 9 FM-3.2.3 K2 1 1 There is a total of 5 questions required for Chapter = 9 Chapter 4 Keywords K1 1 1 There is a total of 5 questions required for Chapter = 9 FM-4.1.1 K2 1 1 K1 = 1 K2 = 3 FM-4.1.2 K2 1 1 Number of points for this chapter = 5 Chapter 5 FM-5.1.1 K2 1	FM-2.3.4	K2	1	1	Number of points for this chapter – 13
FM-2.3.7 K2 1 1 Chapter 3 Keywords K1 2 1 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 FM-3.2.3 K2 1 1 Chapter 4 Keywords K1 1 1 FM-4.1.1 K2 1 1 There is a total of 5 questions required for Chapter FM-4.1.1 FM-4.1.2 K2 1 1 1 K1 = 1 FM-4.1.3 K3 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 FM-5.1.2 FM-5.1.3 K1 1 1	FM-2.3.5	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 Chap. K1 = 3 FM-3.1.2 K3 1 1 There is a total of 9 questions required for Chap. K1 = 3 K2 = 4 K3 = 2 K1 = 3 K2 = 4 K3 = 2 K2 = 4 K3 = 2 Number of points for this chapter = 9 K1 = 1 There is a total of 5 questions required for Chap. K1 = 1 K1 = 1 K2 = 3 K3 = 1 K3 = 1 K3 = 1 Number of points for this chapter = 5 Chapter 5 FM-4.2.1 K2 1 1 There is a total of 6 questions required for Chap. K1 = 3 K2 = 3 K3 = 1 There is a total of 6 questions required for Chap. K1 = 3 K2 = 3 K3 = 3 There is a total of 6 questions required for Chap. K1 = 3 K2 = 3 K3 = 3 K4 = 3 K2 = 3 K3 = 3 K4 = 3 K4 = 3 K2 = 3 K4 = 3 K4 = 3 K4 = 3	FM-2.3.6	K1	1	1	
Keywords K1 2 1 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 Keywords K1 1 1 There is a total of 5 questions required for Chapter 5 FM-4.1.1 K2 1 1 There is a total of 5 questions required for Chapter 5 FM-4.1.3 K3 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 There is a total of 6 questions required for Chapter 5 FM-5.1.3 K1 1 1 There is a total of 6 questions required for Chapter 5	FM-2.3.7	K2	1	1	
FM-3.1.1 K2 1 1 There is a total of 9 questions required for Chapter 5 FM-3.1.2 K3 1 1 There is a total of 9 questions required for Chapter 6 FM-3.1.3 K2 1 1 K1 = 3 K2 = 4 K3 = 2 K2 = 4 K3 = 2 Number of points for this chapter = 9 Number of points for this chap					
FM-3.1.2 K3 1 1 1	Keywords	K1	2	1	
FM-3.1.2 K3 1 1 1 K1 = 3 K2 = 4 K3 = 2 FM-3.1.3 K2 1 1 1 K2 1 1 1 K2 1 1 1 K2 1 1 There is a total of 6 questions required for Chapter 5 K3 = 3 K3 = 1 There is a total of 6 questions required for Chapter 5 K3 = 3	FM-3.1.1	K2	1	1	There is a total of 9 questions required for Chanter 3
FM-3.1.3 K2 1 1 1 K2 4 K3 = 2 FM-3.2.1 K1 1 1 1 K3 = 2 FM-3.2.2 K3 1 1 1 1	FM-3.1.2	К3	1	1	
FM-3.1.4 K2 1 1	FM-3.1.3	K2	1	1	
FM-3.2.1 K1 1 1 1 Number of points for this chapter = 9 FM-3.2.2 K3 1 1 1 FM-3.2.3 K2 1 1 Chapter 4 Keywords K1 1 1 1 There is a total of 5 questions required for Chapter 4 FM-4.1.1 K2 1 1 1 K2 = 1 FM-4.1.2 K2 1 1 1 K2 = 3 FM-4.1.3 K3 1 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 There is a total of 6 questions required for Chapter 5 FM-5.1.3 K1 1 1 There is a total of 6 questions required for Chapter 5 K1 = 3 K2 = 3	FM-3.1.4	K2	1	1	
FM-3.2.2 K3 1 1 1	FM-3.2.1	K1	1	1	
Chapter 4 Keywords K1 1 1 There is a total of 5 questions required for Chapter 5 FM-4.1.1 K2 1 1 K1 = 1 K2 = 3 K2 = 3 K3 = 1 K3 = 1 K3 = 1 Number of points for this chapter = 5 Number of points for this chapter = 5 There is a total of 6 questions required for Chapter 5 There is a total of 6 questions required for Chapter 5 K1 = 3 K1 = 3 K2 = 3 K1 = 3 K2 = 3 K2 = 3 K2 = 3 K3 = 3 K4 = 3 K6 = 3	FM-3.2.2	К3	1	1	Number of points for this enabler = 5
Keywords K1 1 1 There is a total of 5 questions required for Chapter 5 FM-4.1.1 K2 1 1 K1 = 1 K2 = 3 K2 = 3 K3 = 1 K3 = 1 Number of points for this chapter = 5 Number of points for this chapter = 5 Number of points for this chapter = 5 There is a total of 6 questions required for Chapter 5 There is a total of 6 questions required for Chapter 5 K1 = 3 K1 = 3 K2 = 3 K1 = 3 K2 = 3 K2 = 3 K2 = 3 K3 = 3 K4 = 3		K2	1	1	
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 There is a total of 6 questions required for Chapter = 5 FM-5.1.3 K1 1 1 1 K1 = 3 FM-5.1.3 K1 1 1 1 K2 = 3					
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 There is a total of 6 questions required for Chapter = 5 FM-5.1.3 K1 1 1 X1 = 3 FM-5.1.3 K1 1 1	Keywords	K1	1	1	There is a total of 5 questions required for Chapter 4.
FM-4.1.3 K3 1 1 Number of points for this chapter = 5 Chapter 5 FM-5.1.1 K2 1 1 1 There is a total of 6 questions required for Chapter 5 FM-5.1.2 K2 1 1 1	FM-4.1.1	K2	1	1	
FM-4.2.1 K2 1 1 Number of points for this chapter = 5 Chapter 5 FM-5.1.1 K2 1 1 FM-5.1.2 K2 1 1 FM-5.1.2 K2 1 1 FM-5.1.3 K1 1 1 K1 = 3 K2 = 3	FM-4.1.2	K2	1	1	K2 = 3
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-4 1 3	кз	1	1	K3 = 1
Chapter 5 FM-5.1.1 K2 1 1 1 FM-5.1.2 K2 1 1 There is a total of 6 questions required for Chapter 5 FM-5.1.3 K1 1 1 1					Number of points for this chapter = 5
FM-5.1.1 K2 1 1 FM-5.1.2 K2 1 1 FM-5.1.3 K1 1 1 There is a total of 6 questions required for Chapter in the properties of the properties		NΖ	1	1	
FM-5.1.2 K2 1 1 1		V2	1	1	
FM-5.1.3 K1 1 1 1 K1 = 3 K2 = 3					There is a total of 6 questions required for Chapter 5.
K / = 3					K1 = 3
■ EME 2.1 V1 1 1 1 1 1 1 1 1					K2 = 3
FM-5.2.1 K1 1 1 K3 = 0					K3 = 0
FM-5.2.2 K1 1 1 Number of points for this chapter = 6					Number of points for this chapter = 6
FM-5.2.3 K2 1 1 1 Mainter of points for this chapter = 0			1	1	

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	19	1	19
K2	15	1	15
К3	6	3	18
K4	0	4	0
TOTALS	40		52

Chapter 1 Keywords AuTFL-1.2.1 AuTFL-1.3.1	K-Level	Maximum Number of Questions per LO	Suggested Points per Question	
Chapter 1 Keywords AuTFL-1.2.1 AuTFL-1.3.1		Questions per LO	Question	
Keywords AuTFL-1.2.1 AuTFL-1.3.1				
AuTFL-1.2.1 AuTFL-1.3.1				
AuTFL-1.3.1				There is a total of 3 questions required for Chapter 1.
	K1	1	1	K1 = 2 K2 = 1
B A TEL 4 4 4				K2 - 1 K3 = 0
AuTFL-1.4.1	140		_	Number of points for this chapter = 3
AuTFL-1.1.1	K2	1	1	Trainiber of points for time enapter of
Chapter 2.1				
Keywords AuTFL-2.1.1.1				
AuTFL-2.1.2.1	K1	1	1	There is a total of 7 questions required for Chapter
AuTFL-2.1.2.4				2.1.
AuTFL-2.1.1.3	K2	1	1	K1 = 2
AuTFL-2.1.2.2	K2	1	1	K2 = 4 K3 = 1
AuTFL-2.1.2.3	K2	1	1	Number of points for this chapter = 7
AuTFL-2.1.2.6	K2	1	1	ramber of points for this enapter /
AuTFL-2.1.2.5	К3	1	1	
Chapter 2.2				
Keywords				There is a total of 7 questions required for Chapter
AuTFL-2.2.1.2 AuTFL-2.2.3.2	K1	1	1	2.2.
AuTFL-2.2.3.2 AuTFL-2.2.4.1				Z.Z. 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	К3	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				Number of points for this chapter - 2
				There is a total of 2 questions required for Chapter
Keywords	1/4	4	4	2.4.
AuTFL-2.4.1	K1	1	1	K1 = 1
AUTFL-2.4.1				K2 = 1
AuTFL-2.4.2	К2	1	1	K3 = 0
			_	Number of points for this chapter = 2
Chapter 3.1				There is a total of 3 questions required for Chapter
Keywords				3.1.
AuTFL-3.1.1	K1	1	1	K1 = 2
AuTFL-3.1.2				K2 = 1
AuTFL-3.1.4				K3 = 0
AUTFL-3.1.3	K2	1	1	Number of points for this chapter = 3
Chapter 3.2				
Keywords				
AuTFL-3.2.1.1 AuTFL-3.2.2.1				There is a total of 9 questions required for Chapter
AuTFL-3.2.2.2	K1	1	1	3.2.
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	К3	1	1	
Chapter 4.1				There is a total of 3 questions required for Chapter
Keywords	K1	1	1	4.1.
				K1 = 1
AuTFL-4.1.1	K2	1	1	K2 = 1
AuTEL 4.1.2	К3	1	1	K3 = 1
AuTFL-4.1.2	ľΟ	1	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
AuTFL_4.2.4 AuTFL-4.2.2				4.2. K1 = 1
AuTFL-4.2.2 AuTFL-4.2.3	K2	1	1	K1 = 1 K2 = 1
	К3	1	1	K3 = 2
AuTFL-4.2.5	К3	1	1	Number of points for this chapter = 4
AuTFL-4.2.5 AuTFL-4.2.1				

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

Question	K-Level	Number of Questions per LO		
Distribution		(group)*	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		_	_	
chapter 2				
UTFL-2.2.1	К2	1	1	There is a total of 2 questions required for Chapter 2. K1 = 0
				K2 = 1
				K3 = 0
LITEL 2.2.2				K4 = 1
UTFL-2.2.2	K4	1	1	Number of points for this chapter = 2
				Number of points for this chapter = 2
Chapter 3				
				There is a total of 2 acceptions are sized for Charter 2
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
J 11 L-3.2.1	NZ.		•	K3 = 0
				K4 = 0
UTFL-3.2.2	K2	1	1	Number of points for this chapter = 3
Charitan				<u> </u>
Chapter 4				
UTFL-4.1.1	K2	1	1	There is a total of 3 questions required for Chapter 4.
01FL-4.1.1	NZ.	1	1	K1 = 0
				K2 = 2
UTFL-4.2.1	K2	1	1	K2 = 2 K3 = 0
LITEL 4.2.2	К4	1		K4 = 1
UTFL-4.2.2	K4	1	1	Number of points for this chapter = 3
Chapter 5	1			
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
UTFL-5.3.4	K2	1	1	5.
UTFL-5.3.5	K2	1	1	K1 = 0
UTFL-5.4.1	K2	1	1	K2 = 11
UTFL-5.5.1	K2	1	1	K3 = 2
UTFL-5.5.2	KZ	-	_	K4 = 0
UTFL-5.6.1	К3	1	1	
UTFL-5.6.2	K2	1	1	Number of points for this chapter = 13
UTFL-5.6.3	К3	1	1	
UTFL-5.7.1	K2	1	1	
UTFL-5.8.1	K2	1	1	
Chapter 6	NZ.	1	-	
Chapter 6				
				There is a total of 2 questions required for Chapter 6.
UTFL-6.2.1	K2	1	1	K1 = 0
				K2 = 2
				K3 = 0
		_	_	K4 = 0
UTFL-6.3.1	K2	1	1	Number of points for this chapter = 2
				Number of points for this chapter = 2
Chapter 7				
				There is a total of 1 questions required for Chapter 7.
				K1 = 0
		_	_	K2 = 0
UTFL-7.1.1	K4	1	1	K3 = 0
				K4 = 1
				Number of points for this chapter = 1
				Tamber of points for this chapter - 1
Chapter 8				
				There is a total of 2 and 1 and 1 and 1 and 1 and 1
UTFL-8.1.1	K2	1	1	There is a total of 2 questions required for Chapter 8.
01FL-0.1.1	NΖ	1	1	K1 = 0
				K2 = 2
				K3 = 0
UTFL-8.2.1	K2	1	1	K4 = 0
		_	_	Number of points for this chapter = 2
Keywords				
				There is a total of 6 questions required for Keywords.
V 1 -	V4	_	4	
Keywords	K1	6	1	K1 = 6
				Number of points for Keywords = 6
TOTALT 60 minutes	for 10 guestions			
TOTALTOUTHITUTES	TOT TO QUESTIONS			

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	4	1	4
K2	26	1	26
К3	10	3	30
K4	0	4	0
TOTALS	40		60

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	i i
Chapter 2				The section to the fact of the section of the secti
AcT-2.1.1	К3	2	1	There is a total of 10 questions required for Chapter
AcT-2.2.1	K2	2	1	2. K1 = 0
AcT-2.2.2	К3	2	1	K1 = 0 K2 = 6
AcT-2.3.1	K2	2	1	K2 - 6 K3 = 4
AcT-2.3.2	K2	2	1	Number of points for this chapter = 10
Chapter 3				
AcT-3.1.1	К3	2	1	There is a total of 8 questions required for Chapter 3.
AcT-3.2.1	К3	2	1	K1 = 0 K2 = 4
AcT-3.3.1	К2	2	1	K3 = 4
AcT-3.3.1	K2	2	1	Number of points for this chapter = 8
Chapter 4				
AcT-4.1.1	K2	1	1	
AcT-4.1.2	K1	1	1	There is a total of 8 questions required for Chapter 4.
AcT-4.2.1	K2	2	1	K1 = 1
AcT-4.2.2	K2	1	1	K2 = 7
AcT-4.3.1	K2	1	1	K3 = 0
AcT-4.3.2	K2	1	1	Number of points for this chapter = 8
AcT-4.4.1	K2	1	1	
Chapter 5				
AcT-5.1.1	К3	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 f	or 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

Question		Number of Questions per LO	Suggested Points per	
Distribution	K-Level	(group)*	Question	
Chapter 1				
Keywords	K1	1	1	
LO-1.1.1				
LO-1.2.1	K1	4	1	
LO-1.6.2		·	-	
LO-1.6.3				
LO-1.1.2				
LO-1.3.1				There is a total of 12 questions required for Chapter
LO-1.3.2				1.
LO-1.3.3				K1 = 5 K2 = 7
LO-1.3.4				K2 = 7 K3 = 0
LO-1.4.1	К2	7	1	Number of points for this chapter = 12
LO-1.4.2	NZ	,	1	Number of points for this chapter – 12
LO-1.4.3 LO-1.4.4				
LO-1.4.5				
LO-1.5.1				
LO-1.5.1				
LO-1.6.1				
Chapter 2				
LO-2.1.1				
LO-2.1.2				There is a total of 4 questions required for Chapter 2.
LO-2.2.1			_	K1 = 0
LO-2.2.2	K2	4	1	K2 = 4
LO-2.2.3				K3 = 0
LO-2.2.4				Number of points for this chapter = 4
Chapter 3				
LO-3.1.1				
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				There is a total of 24 questions required for Chapter
LO-3.5.2 LO-3.5.3				3.
LO-3.5.4	К2	24	1	K1 = 0
LO-3.5.4 LO-3.6.1	NΔ	24	1	K2 = 24
LO-3.6.2				K3 = 0
LO-3.6.3				Number of points for this chapter = 24
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 f	or 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
К3	6	3	18
K4	0	4	0
TOTALS	40		52

Question		Number of Questions per LO	Suggested Points per	
Distribution	K-Level	(group)*	Question	
Chapter 1		, , , , , , , , , , , , , , , , , , , ,		
MAT-1.3.1	K1	1	1	
MAT-1.1.1				There is a total of 8 questions required for Chapter 1.
MAT-1.2.1				K1 = 1
MAT-1.4.1	К2	6	1	K2 = 6
MAT-1.5.1				K3 = 1
MAT-1.7.1				Number of points for this chapter = 8
MAT-1.8.1				
MAT-1.6.1	К3	1	1	
Chapter 2				
MAT-2.1.4 MAT-2.1.5				
MAT-2.1.5	K1	4	1	
MAT-2.2.6				
MAT-2.1.1				
MAT-2.1.3				There is a total of 13 questions required for Chapter
MAT-2.1.6			_	2.
MAT-2.2.2	K2	6	1	K1 = 4
MAT-2.2.4				K2 = 6
MAT-2.3.1				K3 = 3
MAT-2.1.2				Number of points for this chapter = 13
MAT-2.1.7				
MAT-2.1.8	К3	3	1	
MAT-2.1.9	KS	3	1	
MAT-2.2.1				
MAT-2.2.3				
Chapter 3				_
MAT-3.1.4		_		
MAT-3.1.6	K1	3	1	
MAT-3.3.1				
MAT-3.1.3				
MAT-3.1.7				There is a total of 11 questions required for Chapter
MAT-3.1.8 MAT-3.2.1				3.
MAT-3.2.2	K2	6	1	K1 = 3
MAT-3.2.2				K2 = 6
MAT-3.4.1				K3 = 2
MAT-3.4.2				Number of points for this chapter = 11
MAT-3.1.1				
MAT-3.1.2	1/2		4	
MAT-3.1.5	К3	2	1	
MAT-3.3.3				
Chapter 4				
MAT-4.1.1	K1	2	1	There is a total of 4 questions required for Chapter 4.
MAT-4.2.1	KI			K1 = 2
MAT-4.3.1				K2 = 2
MAT-4.3.2	K2	2	1	K3 = 0
MAT-4.4.1				Number of points for this chapter = 4
Chapter 5				1
MAT-5.3.1	K1	1	1	There is a total of 4 guestions are similar of 5 great
MAT-5.1.1	K2	3	1	There is a total of 4 questions required for Chapter 5. K1 = 1
	1/2		•	K2 = 3
MAT-5.2.1				K3 = 0
MAT-5.4.1				Number of points for this chapter = 4
TOTALT 60 minutes for	or 40 questions			

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	0	1	0
К2	0	2	0
К3	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
				K3 = 0
PTFL-1.4	К2	1	1	K4 = 0
PTFL-1.5	K2	1	1	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. K1 = 1
PTFL-2.2	K2	1	1	K2 = 3
PTFL-2.3	К2	1	1	K3 = 0
PTFL-2.4	K1	1	1	K4 = 0
		-	<u> </u>	Number of points for this chapter = 4
Chapter 3				
PTFL-3.1	К2	2	1	There is a total of 7 questions required for Chapter 3. K1 = 0
PTFL-3.2	K2	3	1	K2 = 5
PTFL-3.3	К4	1	1	K3 = 0 K4 = 2
PTFL-3.4	K4	1	1	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	К3	2	1	
PTFL-4.2.1	K2	2	1	There is a total of 20 questions required for Chapter
PTFL-4.2.2	K2	2	1	4.
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	К3	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	К2	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	or 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
К3	11	3	33
K4	12	4	48
TOTALS	40		98

ALTAE-1.1.1 K2	Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
ALTAE-1.1 K2 1 1 1	Chapter 1			·	
Chapter 2	AL-TAE-1.1.1	K2	1	1	
AL-TAE-2.1.1 K4 2 3 3 There is a total of 5 questions required for Chapter 2. K2 = 2 AL-TAE-2.2.1 K4 1 1 3	AL-TAE-1.2.1	K2	1	1	K4 = 0
AL-TAE-2.2.1	Chapter 2				
AL-TAE-2.2.1 K4 1 3	AL-TAE-2.1.1	K4	2	3	There is a total of 5 questions required for Chapter 2. K2 = 2
Chapter 3	AL-TAE-2.2.1	К4	1	3	K3 = 0
AL-TAE-3.1.1 K2	AL-TAE-2.3.1	K2	2	1	Number of points for this chapter = 11
AL-TAE-3.2.1 K4 1 3					
AL-TAE-3.2.2 K2 1 1 1 K2 = 5 AL-TAE-3.2.3 K2 1 1 1 K2 = 5 AL-TAE-3.2.4 K4 4 2 2 3 3 Number of points for this chapter = 18 AL-TAE-3.3.1 K3 2 2 2 1 Number of points for this chapter = 18 AL-TAE-3.3.1 K3 2 2 2 1 Number of points for this chapter = 18 AL-TAE-3.3.1 K3 2 2 2 Number of points for this chapter = 18 AL-TAE-4.3.1 K3 2 2 2 There is a total of 4 questions required for Chapter 4 AL-TAE-4.3.1 K2 1 1 1 Number of points for this chapter = 11 Chapter 5 AL-TAE-5.3.1 K2 1 1 There is a total of 6 questions required for Chapter 5 AL-TAE-5.3.1 K2 2 1 There is a total of 6 questions required for Chapter 5 AL-TAE-5.3.1 K4 1 1 3 Number of points for this chapter = 10 Chapter 6 AL-TAE-5.3.1 K4 1 1 3 Number of points for this chapter = 10 Chapter 6 AL-TAE-6.1.1 K3 1 2 There is a total of 5 questions required for Chapter 6 AL-TAE-6.3.1 K2 1 1 Number of points for this chapter = 6 AL-TAE-6.3.1 K2 1 1 Number of points for this chapter = 6 Chapter 7 AL-TAE-6.1.1 K3 2 2 1 There is a total of 5 questions required for Chapter 6 AL-TAE-6.1.1 K2 1 1 Number of points for this chapter = 6 Chapter 7 AL-TAE-6.1.1 K3 2 1 There is a total of 5 questions required for Chapter 7 AL-TAE-6.1.1 K3 2 1 There is a total of 4 questions required for Chapter 7 AL-TAE-7.1.1 K3 2 2 Number of points for this chapter = 8 Chapter 8 AL-TAE-7.1.1 K4 2 3 There is a total of 4 questions required for Chapter 7 AL-TAE-7.1.1 K3 2 Number of points for this chapter = 8 AL-TAE-8.1.1 K4 2 3 There is a total of 3 questions required for Chapter 9 AL-TAE-8.1.1 K4 1 Number of points for this chapter = 9 AL-TAE-8.1.1 K4 1 Number of points for this chapter = 9 AL-TAE-8.1.1 K4 1 Number of points for this chapter = 9	_				There is a total of 10 questions required for Chanter
Al-TAE-3.2	AL-TAE-3.2.1	K4	1	3	
AL-TAE-3.2.4 K4 4 2 3 3 K3 = 2 K3 = 2 K3 = 2 K4 = 3 Number of points for this chapter = 18 Number of points for this chapter = 19 Number of points for this chapter = 11 Number of points for this chapter = 11 Number of points for this chapter = 11 Number of points for this chapter = 10 Numbe	AL-TAE-3.2.2	K2	1	1	
AL-TAE-3.2.4	AL-TAE-3.2.3	K2	2	1	
AL-TAE-3.3.2 K2	AL-TAE-3.2.4	K4	2	3	
Chapter 4	AL-TAE-3.3.1	К3	2	2	
AL-TAE-4.1.1 K3 2 2 There is a total of 4 questions required for Chapter 4. AL-TAE-4.2.1 K4 2 3	AL-TAE-3.3.2	K2	1	1	Number of points for this chapter = 18
AL-TAE-4.2.1	Chapter 4				
AL-TAE-4.2.1 K4	AL-TAE-4.1.1	К3	2	2	There is a total of 4 questions required for Chapter 4. $K2 = 1$
Chapter 5 AL-TAE-S.1.1 K2 2 1 There is a total of 6 questions required for Chapter 5. AL-TAE-S.2.1 K3 2 2 1 There is a total of 6 questions required for Chapter 5. AL-TAE-S.3.1 K4 1 3 K2 = 3 K3 = 2 K3 = 2 K4 = 1 Number of points for this chapter = 10 Chapter 6. AL-TAE-G.1.1 K3 1 2 There is a total of 5 questions required for Chapter 6. AL-TAE-G.1.2 K2 = 1 1 K2 = 4 K3 = 1 K2 = 4 K3 = 1 K3 = 1 K3 = 1 K4 = 0 Number of points for this chapter = 6. Number of points for this chapter = 6 AL-TAE-G.4.1 K2 = 0 Number of points for this chapter = 6. K2 = 0 K3 = 4 K4 = 0 Number of points for this chapter = 8. K2 = 0 K3 = 4 K4 = 0 Number of points for this chapter = 8. There is a total of 3 questions required for Chapter 9. K3 = 0 K2 = 0 K3 = 0 K3 = 0 K4 = 3 Number of points for this chapter = 9. K4 = 3 Number of points for this chapter = 9.	AL-TAE-4.2.1	K4	2	3	K3 = 2
AL-TAE-5.1.1 K2 2 1 1 There is a total of 6 questions required for Chapter 5. AL-TAE-5.2.1 K3 2 2 2	AL-TAE-4.3.1	K2	1	1	Number of points for this chapter = 11
AL-TAE-5.2.1 K3 2 2	Chapter 5				
AL-TAE-5.2.1 K3 2 2 K3 = 2					There is a total of 6 questions required for Chapter 5.
AL-TAE-5.3.1 K4 1 1 3 K4 1 1 Number of points for this chapter = 10 Chapter 6 AL-TAE-6.1.1 K3 1 2 There is a total of 5 questions required for Chapter 6. AL-TAE-6.2.1 K2 1 1 1 K3 = 1 AL-TAE-6.3.1 K2 1 1 1 K3 = 1 AL-TAE-6.3.1 K2 1 1 1 1 K3 = 1 AL-TAE-6.4.1 K2 1 1 1 Number of points for this chapter = 6 Chapter 7 AL-TAE-7.1.1 K3 2 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 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 K3 = 0 K3 = 0 K3 = 0 K4 = 3 Number of points for this chapter = 9.	AL-TAE-5.2.1	К3	2	2	
Chapter 6 AL-TAE-6.1.1 K3 1 2 There is a total of 5 questions required for Chapter 6. AL-TAE-6.1.2 K2 1 1 K2 = 4 AL-TAE-6.2.1 K2 1 1 K3 = 1 AL-TAE-6.3.1 K2 1 1 Number of points for this chapter = 6 Chapter 7 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 Chapter 8 AL-TAE-8.1.1 K4 2 3 There is a total of 3 questions required for Chapter 9. AL-TAE-8.1.1 K4 2 3 There is a total of 3 questions required for Chapter 9. AL-TAE-8.2.1 K4 1 3 Number of points for this chapter = 9.					K4 = 1
AL-TAE-6.1.1 K3 1 2 There is a total of 5 questions required for Chapter 6. AL-TAE-6.1.2 K2 1 1 1 K2 + 4 AL-TAE-6.2.1 K2 1 1 1 K3 + 1 AL-TAE-6.3.1 K2 1 1 1 K4 + 0 AL-TAE-8.2.1 K4 1 1 1 Number of points for this chapter = 8 AL-TAE-8.2.1 K4 1 1 3 There is a total of 4 questions required for Chapter 7. AL-TAE-8.2.1 K4 1 3 There is a total of 4 questions required for Chapter 7. AL-TAE-8.2.1 K4 1 3 There is a total of 3 questions required for Chapter 9. K2 = 0 K3 = 4 K4 = 0 Number of points for this chapter = 8 AL-TAE-8.2.1 K4 1 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-5.4.1	K2	1	1	Number of points for this chapter = 10
AL-TAE-6.1.2 K2 1 1 1 K3 + 1 K4 + 0 Number of points for this chapter = 8 AL-TAE-8.2.1 K4 1 1 1 K4 1 1	Chapter 6				
AL-TAE-6.1.2 K2 1 1 1 K3 1 K4 1 K3 1 K3	AL-TAE-6.1.1	К3	1	2	There is a total of 5 questions required for Chapter 6.
AL-TAE-6.3.1 K2 1 1 1 Number of points for this chapter = 6 AL-TAE-6.4.1 K2 1 1 1 Number of points for this chapter = 6 Chapter 7 AL-TAE-7.1.1 K3 2 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 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 K3 = 0 K3 = 0 K4 = 3 Number of points for this chapter = 9	AL-TAE-6.1.2	K2	1	1	
AL-TAE-6.3.1 K2 1 1 1 Number of points for this chapter = 6 AL-TAE-6.4.1 K2 1 1 1 Number of points for this chapter = 6 Chapter 7 AL-TAE-7.1.1 K3 2 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 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 K3 = 0 K3 = 0 K4 = 3 Number of points for this chapter = 9	AI -TAF-6 2 1	К2	1	1	
AL-TAE-6.4.1 K2 1 1 Number of points for this chapter = 6 Chapter 7 AL-TAE-7.1.1 K3 2 2 2 There is a total of 4 questions required for Chapter 7. K2 = 0					
Chapter 7 K3 2 2 There is a total of 4 questions required for Chapter 7. K2 = 0					Number of points for this chapter = 6
AL-TAE-7.1.1 K3 2 2 2 There is a total of 4 questions required for Chapter 7. K2 = 0		K2	1	1	<u>'</u>
AL-TAE-7.1.1 K3 2 2 K2 = 0 K3 = 4 K4 = 0 Number of points for this chapter = 8 Chapter 8 AL-TAE-8.1.1 K4 2 3 There is a total of 3 questions required for Chapter 9 K2 = 0 Number of points for this chapter = 9 K2 = 0 K3 = 0 K4 = 3 Number of points for this chapter = 9	Chapter /				
AL-TAE-7.2.1 K3 2 2 Number of points for this chapter = 8 Chapter 8 AL-TAE-8.1.1 K4 2 3 There is a total of 3 questions required for Chapter 9. K2 = 0	AL-TAE-7.1.1	К3	2	2	
AL-TAE-8.1.1 K4 2 3 There is a total of 3 questions required for Chapter 9. K2 = 0	AL-TAE-7.2.1	К3	2	2	K4 = 0
AL-TAE-8.1.1 K4 2 3 There is a total of 3 questions required for Chapter 9. K2 = 0	Chantar 9				
AL-TAE-8.1.1 K4 2 3 K2 = 0 K3 = 0 K4 = 3 AL-TAE-8.2.1 K4 1 3 Number of points for this chapter = 9	Chapter 8				
AL-TAE-8.2.1 K4 1 3 K4 = 3 Number of points for this chapter = 9	AL-TAE-8.1.1	К4	2	3	
OTALT 90 minutes for 40 questions	AL-TAE-8.2.1	K4	1	3	K4 = 3
	TOTALT 90 minutes f	or 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
К3	15	3	45
K4	10	4	40
TOTALS	45		105

Question Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question		
Chapter 1					
AS-1.1.1	К2	1	1	There is a total of 4 questions required for Chap	
AS-1.3.1	NZ	-	*	K2 = 2	
AS - 1.1.2	K4	1	3	K3 = 0	
AS-1.1.3 AS-1.2.1	K2	1	1	K4 = 2	
AS-1.2.1 AS-1.2.2	K4	1	3	Number of points for this chapter = 8	
Chapter 2		-	· · ·		
AS-2.2.1	К2	1	1		
AS-2.3.1	NZ	-	•		
AS-2.4.1	K2	1	1	There is a total of 6 questions required for Chap	
AS-2.4.3 AS-2.4.2	К3	1	2	K2 = 2	
AS-2.4.2 AS-2.5.1	K3	1	2	K3 = 3	
AS-2.6.1	5	-	_	K4 = 1	
AS-2.6.2	K4	1	3	Number of points for this chapter = 11	
AS-2.7.1					
AS-2.6.3	К3	1	2		
Chapter 3	к2		2		
AS-3.1.1 AS-3.2.1	K3 K4	1	2		
AS-3.2.1 AS-3.3.1				There is a total of 6 questions required for Chap	
AS-3.3.2	К3	1	2	K2 = 2 K3 = 2	
AS-3.4.1	K2	1	1	K3 = 2 K4 = 2	
AS-3.6.1				Number of points for this chapter = 12	
AS-3.4.2	K2	1	1		
AS-3.5.1	K4	1	3		
Chapter 4 AS – 4.1.1	K2	1	1		
AS-4.1.1 AS-4.1.2	K3	1	2		
AS-4.2.1	K4	1	3		
AS-4.3.1	K4	1	3	There is a total of 8 questions required for Chap	
AS-4.4.1	K2	1	1	K2 = 2	
AS-4.4.4				K3 = 4	
AS-4.4.2 AS-4.4.5	К3	1	2	K4 = 2	
AS-4.4.3	K4	1	3	Number of points for this chapter = 16	
AS-4.5.1	К3	1	2		
AS-4.6.1	К3	1	2		
AS-4.5.2	К3	1	2		
Chapter 5					
AS-5.1.1 AS-5.2.1					
AS-5.2.1 AS-5.3.1					
AS-5.4.1			_		
AS - 5.5.1	K2	4	1		
AS - 5.6.1				There is a total of 8 questions required for Chap	
AS-5.7.1				K2 = 4	
AS-5.8.1				K3 = 4	
AS - 5.1.2				K4 = 0	
AS - 5.2.2				Number of points for this chapter = 12	
AS - 5.3.2 AS - 5.4.2					
AS 5.5.2	К3	4	2		
AS - 5.6.2					
AS-5.7.2					
AS-5.8.2					
Chapter 6					
AS-6.1.1	K2	1	1	The section to the best of Equipment and Section 1	
AS-6.3.1 AS-6.1.2	К3	1	2	There is a total of 5 questions required for Chap K2 = 2	
AS-6.1.2 AS-6.1.3				K2 = 2 K3 = 2	
AS-6.2.1	K2	1	1	K4 = 1	
AS-6.1.4	К4	1	3	Number of points for this chapter = 9	
AS-6.3.2	К3	1	2		
Chapter 7					
AS-7.1.1	K2	1	1	There is a total of 3 questions required for Chap	
AS-7.2.1				K2 = 2	
	K2	1	1	K3 = 0	
AS-7.2.2				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 Chap	
AS-8.2.1	K4	1	3	K2 = 2	
		*	, ,	K3 = 0	
AS-8.2.2	K2	1	1	K4 = 1	
AS-8.2.3		_	_	Number of points for this chapter = 5	
Chapter 9					
AS-9.1.1				There is a total of 2 questions required for Chap	
	K2	1	1	K2 = 2	
AS-9.3.1				K3 = 0	
AC 0 1 2	K2	1	1	K4 = 0	
AS-9.1.2					

K-Level	Number of Questions	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	4	1	4
K2	29	1	29
К3	3	3	9
K4	4	4	16
TOTALS	40		58

Question	K-Level	Number of Questions per LO	Suggested Points per Questi	on
Distribution	Karevel	warmber or Questions per LO	-Suggested Points per Questi	
Chapter 1				
AI-1.4.1	K1	1	1	
AI-1.5.1				
Al-1.1.1				There is a total of 4 questions required for Chapte
AI-1.2.1				K1 = 1
AI-1.3.1				K2 = 3
AI-1.6.1	K2	3	1	K3 = 0
AI-1.7.1				K4 = 0
AI-1.8.1				Number of points for this chapter = 4
AI-1.9.1				
Chapter 2				
AI-2.8.1	K1	1	1	
AI-2.1.1				There is a total of 4 questions required for Chapte
AI-2.2.1				K1 = 1
AI-2.3.1				K2 = 3
AI-2.4.1	K2	3	1	K3 = 0
AI-2.5.1				K4 = 0
AI-2.6.1				Number of points for this chapter = 4
AI-2.7.1				
Chapter 3				
AI-3.1.1				There is a total of 4 questions required for Chapte
AI-3.1.2				There is a total of 4 questions required for Chapte K1 = 0
AI-3.1.3	K2	3	1	K1 - U K2 = 3
AI-3.2.1	K2	3	1	
AI-3.4.1				K3 = 1
AI-3.5.1				K4 = 0
Al-3.3.1	К3	1	2	Number of points for this chapter = 5
Chapter 4		<u>-</u>	-	·
AI-4.5.1				1
	K1	1	1	There is a total of 4 questions required for Chapte
AI-4.5.2				K1 = 1
AI-4.1.1	K2			K2 = 3
AI-4.2.1	K2	_		K3 = 0
AI-4.3.1	K2	3	1	K4 = 0
				Number of points for this chapter = 4
AI-4.4.1	K2			
Chapter 5				
AI-5.2.1				There is a total of 3 questions required for Chapte
AL E 2.4	1/2			
AI-5.3.1	K2	1	1	K1 = 0
AI-5.5.1				K2 = 1
		_	_	K3 = 1
AI-5.1.1	К3	1	2	K4 = 1
AI-5.4.1	K4	1	2	Number of points for this chapter = 5
Chapter 6				
Chapter o				
				There is a total of 2 questions required for Chapte
AI-6.1.1				K1 = 0
	K2	2	1	K2 = 2
	KZ.	2	1	K3 = 0
AI-6.2.1				K4 = 0
				Number of points for this chapter = 2
Chapter 7				
AI-7.3.1	K1	1	1	
AI-7.1.1	KI	1	1	There is a total of 4 questions required for Chapte
AI-7.1.1 AI-7.2.1				K1 = 1
	K2	2	1	K2 = 2
AI-7.4.1	K2	2	1	K3 = 0
AI-7.5.1				K4 = 1
AI-7.6.1			_	Number of points for this chapter = 5
AI-7.7.1	K4	1	2	i i
Chapter 8				
AI-8.1.1				
AI-8.2.1				There is a total of 4 questions required for Chapte
AI-8.3.1		_		K1 = 0
AI-8.4.1	K2	3	1	K2 = 3
AI-8.5.1				K3 = 0
AI-8.6.1				K4 = 1
AI-8.7.1				Number of points for this chapter = 5
AI-8.8.1	K4	1	2	
Chapter 9				
AI-9.1.1				There is a total of 6 questions required for Chapte
AI-9.2.1				K1 = 0
AI-9.3.1	K2	4	1	K1 = 0 K2 = 4
AI-9.4.1				K2 = 4 K3 = 1
AI-9.6.1				
	К3	1	2	K4 = 1
AI-9.5.1	К4	1	2	Number of points for this chapter = 8
AI-9.5.1 AI-9.7.1				
AI-9.7.1				
Al-9.7.1 Chapter 10				
AI-9.7.1				K1 = 0
Al-9.7.1 Chapter 10	K2	1	1	K2 = 1
Al-9.7.1 Chapter 10	K2	1	1	K1 = 0 K2 = 1 K3 = 0
Al-9.7.1 Chapter 10	К2	1	1	K1 = 0 K2 = 1 K3 = 0 K4 = 0
Al-9.7.1 Chapter 10 Al-10.1.1	K2	1	1	K1 = 0 K2 = 1 K3 = 0
Al-9.7.1 Chapter 10 Al-10.1.1	K2	1	1	K1 = 0 K2 = 1 K3 = 0 K4 = 0
Al-9.7.1 Chapter 10 Al-10.1.1 Al-10.2.1 Chapter 11	K2	1	1	K1 = 0 K2 = 1 K3 = 0 K4 = 0 Number of points for this chapter = 1
Al-9.7.1 Chapter 10 Al-10.1.1 Al-10.2.1 Chapter 11 Al-11.1.1	К2	1	1	K1 = 0 K2 = 1 K3 = 0 K4 = 0 Number of points for this chapter = 1 There is a total of 4 questions required for Chapt
Al-9.7.1 Chapter 10 Al-10.1.1 Al-10.2.1 Chapter 11	К2	1	1	K1 = 0 K2 = 1 K3 = 0 K4 = 0 Number of points for this chapter = 1 There is a total of 4 questions required for Chapt
Al-9.7.1 Chapter 10 Al-10.1.1 Al-10.2.1 Chapter 11 Al-11.1.1				K1 = 0 K2 = 1 K3 = 0 K4 = 0 Number of points for this chapter = 1 There is a total of 4 questions required for Chapt 11. K1 = 0
Al-9.7.1 Chapter 10 Al-10.1.1 Al-10.2.1 Chapter 11 Al-11.1.1 Al-11.2.1 Al-11.3.1	K2	1	1	K1 = 0 K2 = 1 K3 = 0 K4 = 0 K4 = 0 Number of points for this chapter = 1 There is a total of 4 questions required for Chapt 11. K1 = 0 K2 = 4
Al-9.7.1 Chapter 10 Al-10.1.1 Al-10.2.1 Chapter 11 Al-11.1.1 Al-11.2.1 Al-11.3.1 Al-11.4.1				K1 = 0 K2 = 1 K3 = 0 K4 = 0 Number of points for this chapter = 1 There is a total of 4 questions required for Chapt 11. K1 = 0 K2 = 4 K3 = 0
Al-9.7.1 Chapter 10 Al-10.1.1 Al-10.2.1 Chapter 11 Al-11.1.1 Al-11.2.1 Al-11.3.1				K1 = 0 K2 = 1 K3 = 0 K4 = 0 K4 = 0 Number of points for this chapter = 1 There is a total of 4 questions required for Chapt 11. K1 = 0 K2 = 4

K-Level	Number of Question s	Question Timing in minutes	Total Time by K-Level (Approximate)
K1	6	1	6
K2	30	1	30
К3	4	3	12
K4	0	4	0
TOTALS	40		48

Question		N		
Distribution	K-Level	Number of Questions per LO (group)*	Suggested Points per Question	
Chapter 1				
GaMe-1.1.1				There is a total of 4 questions required for Chapter 1.
GaMe-1.2.1	K1	1	1	K1 = 1
GaMe-1.3.1				K2 = 3
GaMe-1.1.2				K3 = 0
GaMe-1.1.3	К2	3	1	K4 = 0
GaMe-1.1.4				Number of points for this chapter = 4
GaMe-1.1.5				i i
Chapter 2				
GaMe-2.1.1 GaMe-2.1.2				
GaMe-2.1.2				There is a total of 6 questions required for Chapter 2.
GaMe-2.1.3				K1 = 0
GaMe-2.1.5	K2	5	1	K2 = 5
GaMe-2.2.1				K3 = 1
GaMe-2.2.2				K4 = 0
GaMe-2.2.3				Number of points for this chapter = 6
GaMe-2.2.4	К3	1	1	
Chapter 3		•	·	
GaMe-3.1.1				
GaMe-3.1.2				There is a total of 7 questions required for Chapter 3.
GaMe-3.2.1				K1 = 0
GaMe-3.2.2	K2	6	1	K2 = 6
GaMe-3.2.3				K3 = 1
GaMe-3.3.2				K4 = 0
GaMe-3.4.1				Number of points for this chapter = 7
GaMe-3.3.1	К3	1	1	
Chapter 4				
GaMe-4.1.1				
GaMe-4.2.1	K1	1	1	
GaMe-4.4.2				There is a total of 8 questions required for Chapter 4.
GaMe-4.4.3 GaMe-4.2.2				K1 = 1
GaMe-4.2.2				K2 = 6
GaMe-4.3.1 GaMe-4.3.2				K3 = 1
GaMe-4.3.3	K2	6	1	K4 = 0
GaMe-4.4.1				Number of points for this chapter = 8
GaMe-4.5.1				
GaMe-4.4.4	КЗ	1	1	
Chapter 5				
GaMe-5.1.1	K1	1	1	There is a total of 5 questions required for Chapter 5.
GaMe-5.1.2				K1 = 1
GaMe-5.2.1	K2	4	1	K2 = 4
GaMe-5.2.2	NΔ	"	_	K3 = 0
GaMe-5.3.1				K4 = 0
Chapter 6				
GaMe-6.1.3	K1	1	1	There is a total of 5 questions required for Chapter 6.
GaMe-6.1.1				K1 = 1
GaMe-6.1.2				K2 = 4
GaMe-6.1.4	K2	4	1	K3 = 0
GaMe-6.2.1				K4 = 0
GaMe-6.2.2 GaMe-6.3.1				Number of points for this chapter = 5
Chapter 7				
GaMe-7.1.1				
GaMe-7.1.1	K1	2	1	There is a total of 5 questions required for Chapter 7.
GaMe-7.1.2 GaMe-7.3.1		_	_	K1 = 2
GaMe-7.1.3				K2 = 2
GaMe-7.2.1	145	_	_	K3 = 1
GaMe-7.3.3	K2	2	1	K4 = 0
GaMe-7.4.1				Number of points for this chapter =5
GaMe-7.3.2	К3	1	1	
TOTALT 60 mir	nutes for 40	questions		