

Answers
Applied Information Technology Engineer Examination
Autumn, 2012

Q1.

Subquestion	Sample answer / main point of the answer		Mark (20)
Subquestion 1	(1)	MemoArray[0].height	1
	(2)	30	1
Subquestion 2	A	MemoArray[index]	2
	B	memoArrayCount-1	2
Subquestion 3	C	node.nextNode.prevNode← node.prevNode	3
	D	node.prevNode ← tailNode	3
Subquestion 4	(1)	E $O(n)$	2
		F $O(1)$	2
	(2)	G secure an area for the maximum number of memo data that can be placed on the desktop	4

Q2.

Subquestion	Sample answer / main point of the answer		Mark (16)
Subquestion 1	A	f	2
	B	d	2
	C	e	1
	D	b	1
	E	c	1
	F	f	2
	G	a	2
Subquestion 2	a)	TRUE	1
	b)	FALSE	1
	c)	FALSE	1
	d)	TRUE	1
	e)	FALSE	1

Q3.

Subquestion	Sample answer / main point of the answer		Mark (16)
Subquestion 1	A	a	1
	B	b	1
	C	a	1
Subquestion 2	(1)	FW A	3
	(2)	d	3
Subquestion 3	(1)	11	3
	(2)	1,2,3,6	4

Q4.

Subquestion	Sample answer / main point of the answer		Mark (16)	
Subquestion 1	A	C.Customer_Name - or - Customer_Name	1	
	B	C.Phone - or - Phone	1	
	C	MIN	1	
	D	SD.ToDate - or - ToDate	1	
Subquestion 2	E	COUNT(*P.Pkg_ID/SD.Pkg_ID/SH.S_Tran_ID/SD.S_Tran_ID/S_Detail_ID/SD.S_Detail_ID)	1	
	F	PkgDetail	1	
	G	SD.Pkg_ID = P.Pkg_ID	1	
	H	P.Channel_ID = C.Channel_ID	1	
Subquestion 3	I	Duration	2	
Subquestion 4	J	b	2	In no Particular order
	K	e	2	
	L	f	2	

Q5.

Subquestion	Sample answer / main point of the answer		Mark (16)	
Subquestion 1	A	a	2	
	C	e	2	
	D	d	1	
	E	c	1	
Subquestion 2	B	e	2	
Subquestion 3	F	f	2	
	G	d	2	
	H	a	2	
Subquestion 4	I	implements or realizes	1	
	J	polymorphism	1	

Q6.

Subquestion	Sample answer / main point of the answer		Mark(16)	
Subquestion 1	(1)	d	1	
	(2)	Because the term of validity of the cache has expired	3	
Subquestion 2	(1) A	DNS server D3	1	
	(2) B	a	2	
Subquestion 3	C	d	1	In no particular order
	D	e	1	
Subquestion 4	E	Internet VPN - or - VPN	3	
	F	IP addressing system - or - IP addresses - or - network addresses	2	
	G	outside of the company - or - the outside	2	

Q7.

Subquestion	Sample answer / main point of the answer		Mark (16)
Subquestion 1	(5)	I	2
	(6)	R	2
	(7)	I	2
Subquestion 2	A	5.0	2
Subquestion 3	Because development using existing technology brings bigger profit		4
Subquestion 4	B	7.5	1
Subquestion 5	C	c	3