Additional l	Multiple Choice Ques	tions (MCQs)	TANK HAS
1: What is th	e base of the decimal	number system?	
a) 2	b) 8	c) 10	d) 16
2: Which dig	its are used in the bir	ary number syst	em?
a) 0 and 1	b) 0 to 9	c) 0 to 7	d) 0 to F
3: Why is the	binary system used	n computers?	
a) It is faster to	o process.		
b) It aligns wit	h the ON and OFF sta	tes of digital circu	its.
c) It uses more	e digits.	d) It is easier	
4: What is the	e decimal equivalent	of the binary nu	mber 1011?
a) 9	b) 10	c) 11	d) 12
5: What does	the binary digit 1 re		l circuits?
a) OFF state		b) ON state	
c) Both ON an	d OFF states	d) None of t	he above
6: Which num	bering system uses	digits from 0 to 9	9?
a) Binary	b) Octal	c) Decimal	d) Hexadecimal
7. Which num	ber system is used b	y computers?	
a) Decimal	b) Binary	c) Hexadecin	nal d) Octal
8. What do th	e binary digits 1 and	0 represent?	
a) ON and OF		보는 게 그리고 하는 집 생물하다면 그렇다다니까 하나 병에 걸린다는 이렇게 되는 것이다.	alse statements
c) Positive and	Negative numbers	d) Whole and	d Fractional numbers
	ens to data when it i		computer?
a) It is convert	ed to decimal code	b) It is conve	rted to binary code
c) It is convert	ed to hexade,cimal cod	de d) It remains	in its original form
10. Which of	the following is NOT	broken down in	to binary code?
a) Numbers	b) Text	c) Images	d) None of the above
11. What is th	ne base of the octal n		
a) 2	b) 8	c) 10	d) 16
12. Which of	the following is a cha	aracteristic of the	e octal number system?
a) Uses digits (		b) Uses digit	[12] [15] [16] [16] [16] [16] [16] [16] [16] [16
c) Is a base-2 s	system	d) Is a base-	
	y binary digits (bits)	does each octal	digit represent?
a) 1	b) 2	c) 3	d) 4
14. Why is con	nversion between bi		
a) Because 8 is	a power of 10	b) Because 8	is a power of 2
c) Because 2 is	a power of 8		0 is a power of 2
Answer: b) Be	cause 8 is a power of	)	o is a power or z
15. What is th	e octal equivalent of	the hinary num	ber 1101010112
a) 655	b) 653	c) 651	d) 652
****	-, , , , , , , , , , , , , , , , , , ,	, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	u, u, u, u

	the range of digits i	n the octal num	ber system?			
16: What is	b) 0 to 7	c) 0 to 15	d) 1 to 8			
a) 0 to 9	b) o lor	s) are needed to	represent one octal			
	any binary digits (bit	in Agreement to the				
digit?	L) 2	c) 4	d) 8			
a) 2	b) 3 the binary number 1					
	b) 55	c) 65	d) 75			
a) 45	the decimal equivale	nt of the octal	number 157?			
하는 성도 있었다면 하지만 않는데, 이동안 있어요 하는데 있다.	the decimal equivale	c) 121	d) 131			
a) 101	b) 111	digits correspo	nds to the binary numb			
20: Which of	the following octai	digits correspo				
011?		a) 2	d) 4			
a) 1	b) 2	c) 3	마람씨를 가게 되어서 병이 있다. 그렇는 다 양이를 내려왔다.			
21: If a binar	y number is 10101,	how would you	prepare it for conversion			
to octal?			.1. 1.4			
a) Add zeros t	to the right	b) Add zeros to the left				
c) Divide it by		d) Multiply				
22: Which of	the following staten	nents is correct	about the octal system			
a) It is widely t	used in modern comp	outers.				
b) It is unrelate	ed to the binary syste	m.				
	conversion between l					
시마 가지를 빼내는 내가 있게 하는 사람이 있다.	ligit reuires two binar	역사가 교실하셨다. 교실이 그 보면 내가 되게 되었다.				
	ne range of values in		al system?			
a) 0 to 9	b) 0 to F	c) 0 to 7	[소급: 15] : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :			
	y binary bits corresp		d) 0 to 15			
a) 2	b) 3		이 시간의 경상이 하는 그 사람들이 없는 것으로 가장			
	e hexadecimal num	c) 4	d) 8			
a) 180	b) 290		nal.			
집 집 하시네요 회사가 하는 사람들이 모든 하네니다.	e hevadosimal	c) 228	d) 245			
a) AE	b) A7	alent of the bi	nary number 101011 <sup>10</sup>			
4. 마이크 (1985년) (1984년) [1984년) [1984년, 1984년 (1984년) [1984년 (1984년) [1984년 (1984년) [1984년 (1984년) [1984년 (1984년		\ D @				
a) G	he following is NOT	a valid hexade	cimal digit?			
29: Convert th	b) C	c) 8	d) F			
al E1	e binary number 111 b) F2	10010 to heva	docimal			
a) F1	b) F2	c) F2	tuccimal.			
29; what does	the hexadecimal let	ter "C" ro-	d) D2			
a) 10	the hexadecimal let b) 11	c) 13	ent in decimal?			
		c) 12	d) 15			

30: Why is he	xadecimal preferred	for representi	ng binary numbers?
a) It is easier to	o convert to decimal.		
b) It is more co	ompact and readable	than binary.	
c) It is faster fo	r computers to proce	ss. d) It uses f	ewer symbols.
31. What is th	e base of the hexade	cimal number	system?
a) 2	b) 8	c) 10	d) 16
32. Which of t	he following is a cha	racteristic of t	he hexadecimal number
system?			5. 45.4% 13.2 13.0% 12.70% 12.70% 13.6% 13.6% 4.0% 13.1%
a) Uses digits 0	-7	b) Uses dig	gits 0-9 and letters A-F
c) Is a base-2 sy	ystem		e-10 system
		at can be store	ed in a 1-byte unsigned
integer?			이 이 경영 전 시간 기계에서 전환하게 해결하였다. 1 - 12:50 - 10:00 전체 -
a) 127	b) 128	c) 255	그렇게 하는 경험하다. 그 아이들에 가는 모든 것이 되었다. 그는 그리고 있는 것이 없어 가는 것이 없는 것이다.
34. Which of t	he following is a cha	racteristic of t	wo's complement
representation	?		
a) It is used to s	store positive integers		
b) It is used to s	store negative integer	S	
이 그 사람들은 이 아들이 어려면 그 사람이는 보이지만 하지 않는데 아들이 하는 모든데 되어 있다고 말했다.	tore real numbers		
d) It is used to s	store characters	the attraction is	to action with the property
35. What is the	minimum value tha	t can be stored	d in a 2-byte signed
integer?		at Lagnodise en	an, wang la din albumpung
a) -128	보는 사용 교회는 사용 전쟁 경기에 있는 경기 가입하면 경기에 되는 것이 되는 것이 되는 것이다.	c) -32,768	d) -65,536
	al numbers represen		ers?
	coded decimal (BCD)		singly a sing purpose
b) Using floating	g-point representation	<b>i</b> beranda aan	
c) Using two's c		d) Using he	xadecimal
37. What is the	purpose of the expo	onent in floating	ng-point
representation			
a) To indicate th	e sign of the number		A section of the formula
b) To indicate th	e magnitude of the n	umber	다음 전투로 유민들은 기계 기계 기계 기계 보고 있다. - 스포스 (1987년 1일 기계
c) To indicate the	e precision of the nun	nber	
d) To indicate th	e base of the number		
38: What is the	range of an unsigne	d 1-byta into-	
a) 0 to 127	b) -128 to 127	c) 0 to 355	err
39: How many	bits are in a 4-byte in	C) 0 10 255	d) -255 to 255
a) 16	b) 32		
	hinary representative	c) 64	d) 8
a) 11111010	b) 11111011	n ot -5 in 8-bi	t two's complement?
7.	b) 11111011	c) 00000101	d) 10000001

AFIO	ch of the following is I	NOT a floating-po	oint standard?
41: Whi	ch of the following is i	b) Double	e-precision
	-precision	d) Intege	r-precision
c) Half-p		icate in a signed	integer?
42: What	agnitude of the number	b) The pa	rity of the number
a) The ma	er the number is positiv	e or negative	
10 Th	wher of hytes used		
43. Conve	ert the decimal number	er 2297 to hexad	ecimal.
a) REQ	b) 8F9	c) 8D7	a) 7F9
44: How is a) Divide b	s the fractional part or by 2 repeatedly.		converted to binary?
b) Multiply	by 2 and record the in	teger parts.	
c) Add 2 re	peatedly until the fract	tion is zero.	
	2 until the fraction is r		
	s the result of conver		nary?
a) 0.1 <sub>2</sub>		c) 0.101 <sub>2</sub>	
	any bits are allocated		
a) 8	b) 23	c) 1	d) 32
	그리즘도 하는 싫으로 모든 위에 취임했다고 그는 사람이 되었다.	The state of the s	page (1.4) [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
	the range of expone		
	128 b) -126 to +1.		
	the bias in the expor	nent for 64-bit d	ouble-precision floati
point numb	ers?		
a) 127	b) 1023	c) 255	d) 2047
49. What is	the purpose of the m	nantissa in floati	ng point representati
a) To indicate	e the sign of the numb	er	
	ne biased exponent		
c) To store th	e significant digits of	the number d) T	o calculate the biss
50. Which of	f the following value	s is closest to th	o calculate the bias
single-precis	sion?	s is closest to th	e maximum value in
a) 1.4×10 <sup>-45</sup>	:		
		c) $1.4 \times 10^{-3}$	$^{38}$ d) $3.4 \times 10^{45}$
o i. now mar	ny bits are used for th	ne exponent in	double-precision?
4,0	U) 23	c) 11	4) [2
52. In single-	precision, what is the	e value of the o	u) 52
a) 129	b) 124	c) or the e	보다 생생이로 되었다. 그리고 이 사람들이 없는 사람들이 되었다. 그렇게 되었다면 그리고 없는데 없는데 없었다.
53. What is th		c) 255	d) 127
a) -127	ne minimum actual e	xponent value i	in double-precision!
경하였다. 중요한 것이 되었다. 나는 것	D) -120	c) -1022	1 4000
over a source of t	the following representation	ents the ASCII c	ode for the letter 'a"
a) 80	b) 115	c) 97	이 시간사용에서 아니라 이 사람들이 없는 것이 하는 것이 없는데 되었다.
•			d) 100

55. Why is ASC	II important in cor	nputer systems?	
at the encodes mi	ultimedia files.		
by it provides a	numerical represent	ation of character	rs.
a it encrypts te	xt data for security.		
at it translates p	rogramming langua	iges.	
56 What kind	of encoding does A	\SCII provide?	
a) Binary encodi	ng	b) Character	rencoding
c) Multimedia er	ncoding	d) Image en	coding
57 How many	bits are needed to	represent an AS	CII character?
a) 8 bits	b) 7 bits	c) 6 bits	d) 16 bits
58 How many	characters can Exte	ended ASCII repi	resent?
a) 128	b) 256	c) 512	d) 1024
59. What is the	main encoding scl	heme that is bac	kward compatible with
ASCII?		Cartifor postper	72. What is the main adv
a) UTF-8	b) UTF-16	c) UTF-32	d) Extended ASCII
60. How many	bytes are required	for a character i	in UTF-32?
a) 1 byte	b) 2 bytes	c) 3 bytes	d) 4 bytes
61. Which of th	e following is a va	riable-length en	coding scheme?
a) ASCII	b) UTF-8	c) UTF-32	d) Extended ASCII
62. What is the	binary representa	tion of the Urdu	in UTF-8? ب'
a) 01000001	charsete: States		
c) 00000000 010			
63. Which Unice	ode encoding uses	2 or 4 bytes for	each character?
			d) Extended ASCII
	binary representa		
a) 01000001			A Malle midden o comen diff d Didie
	000000 00000000 0	1000001	
c) 11011000 101	어린 이번 에 가는 하는 것이 없는 이번 나는 사람이 가는 것이 없는 것이 없는데 가는 것이다.		0 00101000
	e following encod		
a) UTF-8	b) UTF-16		d) Extended ASCII
66. Which Unice	ode encoding can	not translate AS	CII code directly?
a) UTF-8	b) UTF-16	c) UTF-32	d) Extended ASCII
67. Why is UTF-	8 widely used?	rius premaine pr	
a) It is fixed-lend	ith.		
b) It is backward	compatible with A	SCII and space-e	fficient.
of it is the simple	est encoding metho	d d) It only si	innorts English text
The writer is the	total number of c	haracters that c	an be represented in
-recinded W2CII	1420일 대대 기업 경험 경험 (1) 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
a) 128 characters		b) 256 char	acters
c) 512 characters		d) 1024 cha	
		tto tar aniamento.	

ent only 256 char ent only 128 char ent only 64 chara ent only 32 chara	racters acters acters
ent only 64 chara ent only 32 chara	acters
ent only 32 chara	acters
ent only 32 chara	acters
HORA SECO SAL	
used in any writ	ing systems
reduct to repr	
obnoski cao em	stantanti ymara solo j
b) Universal T	ext Format
d) Universal Tra	ansformation Format
It is backward co	ompatible with ASCII
character	s antycopyrism in Eq.
	ompatible with ASCII
	[인터 : 1] : " [ 기존() : " [ 이 : " ] : " [ 기조 : " ] : [ 기조
	The state of the s
그 이 경기를 내내내다가 살을 생각하셨다면 된다. 그는 사용을 생각하는 그 때문다. 스	d) 8
	그 이 물로는 이 전에 없는 나면없다면 하셨다는 것 같아.
	d) ASCII
D) It is not wid	lely supported.
oding schemes.	(2007년 1907년 전 - 1 - 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S.	
of the letter '	A' in UTF-16?
b) 00000000 c	1000001
d) 00000110 c	00101000
schemes is wer	iolala la acto
schemes is var	lable-length?
c) U1F-32	d) Extended ASCII
for the Unicod	e letter 'A'?
c) 3 hutas	d) 4 bytes
MICAMA?	어깨게, 외에게 열하는 없어, 가는 기상, 마소에 쌓는 나무를 만나가 살았다. 그는 지난 등 이 경기
h) To opend	mulaima alta filas
0000	nulumedia files.
all charact	
an characters.	
	JTF-8? It is backward co character s per character

81. How many bits are in 1 byte? b) 6 bits a) 4 bits 82. How many bytes are in 1 kilobyte? c) 2048 bytes b) 1024 bytes a) 1000 bytes d) 4096 bytes 83. What is the next unit of data size larger than 1 megabyte? d) Gigabyte c) Terabyte b) Gigabyte a) Kilobyte 84. What is the sequence of data size units from smallest to largest? a) Byte, Kilobyte, Megabyte, Gigabyte, Terabyte, Petabyte b) Byte, Megabyte, Kilobyte, Gigabyte, Terabyte, Petabyte c) Byte, Kilobyte, Gigabyte, Megabyte, Terabyte, Petabyte

d) Byte, Kilobyte, Megabyte, Terabyte, Gigabyte, Petabyte

Ansi	wers				1000	diol 22	Lacrica	NA 218			-
1	2	3	4	5	6	7	8	9	10	11	12
C	A	В	С	В	C	В	Α	В	D	В	В
13	14	15	16	17	18	19	20	21	22	23	24
C	В	В	В	В	В	В	C	В	C	В	- C
25	26	27	28	29	30	31	32	33	- 34	35	36
C	Α	Α	В	C	В	D	В	C	В	C	В
37	38	39	40	41	42	43	44	45	46	47	48
В	С	В	В	D	C	В	В	C	В	В	В
49	50	5.1	52	53	54	55	56	57	58	59	60
C	В	С	В	C	Co	В	В	В	В	A	D
61	62	63	64	65	66	67	68	69	70	71	72
В	В	В	В	С	В	В	В	В	В	A	B
73	74	75	76	77	78	79	80	81	82	83	84
Α	С	С	C	В	В	A	C	c	В	D	A