estion No : 1 of 26 Marks: 1 (Budgeted Time 1 Min)	•
ne first Least Significant digit in decimal number system has	_
swer (Please select your correct option)	v
position 0 and weight equal to 1	
position 1 and weight equal to 10	
position 0 and weight equal to 10	71
	swer (Please select your correct option) position 0 and weight equal to 1 confrect position 1 and weight equal to 0 position 1 and weight equal to 10

	Ques	stion No : 2 of 26 Marks: 1 (Budgeted Time 1 Min)	
	Col	nsider the binary number "100101", its 2's complement will be	A
			4
			V
	Ansv	wer (Please select your correct option)	
		100110	
	C		
П		011011	
	0	Technology Co.	
		<u>correct</u>	
	7023	100111	
	C		
		011010	
	0		
		made By: Waqar Siddle	U

Question No : 3 of 26	Marks: 1 (Budgeted Time 1 Min)
A + ĀB =	
Answer (Please select your correct option)	
A	
В	
C	
AB C	
A+B	
	Transfer Calaba
maae by:	baqar Siddhi

Que	stion No : 4 of 26 Marks: 1 (Budgeted Time 1 Min)	Θ
Acc	cording to Demorgan's theorem	A
Ā	+B+C =	4
		V
Ansv	wer (Please select your correct option)	
c	A.B.C	
С	$A + \overline{B.C}$	
С	Ā.B.C COITEC	
О	Made By: Waqar Siddle	171

C)ues	stion No : 5 of 26	Marks: 1 (Budget	ed Time 1 Min) 🔲
	The	e Extended ASCII Code (American Standard Code for Information Interchange) represents unique codes		
Δ	nsv	wer (Please select your correct option)		<u> </u>
	c	256 COFFECT		
	c	255		
	С	128		
	0	127 Made By: W	dqdr	Siddhu

Qı	uestion No : 6 of 26	Marks: 1 (Budgeted	d Time 1 Min) 🔳
T	The three fundamental gates are		<u>A</u>
			_
			₹
Ar	nswer (Please select your correct option)		
	AND, NAND, XOR		
'			
	OR, AND, NAND		
	c		
	NOT, NOR, XOR		
(C		
	NOT, OR, AND		
(0	· 7[Veterator (254416
		: Waqar S	manu

Qı	uestion No : 7 of 26	Marks: 1 (Budgeted Time 1 Min)
F	or a Standard SOP expression, a is placed in the cell corresponding to the product term (Minterm) present in the expression.	A.
Ar	nswer (Please select your correct option)	
(
(correct	
(X (don't care condition)	
(Any of given option depending on SOP term. Made By: U	lagar Siddhu

Qu	nestion No : 8 of 26 Marks: 1 (Budgeted Time 1 Min)	
Tì	he output A < B is set to 1 when the input combinations is	A
An	iswer (Please select your correct option)	V
	A=10, B=01	_
C		
	A=11, B=01	
C		
	A=01, B=01	
	A=01, B=10	
C	correct Made By: Waqar Siddh	u

Q	Question No: 9 of 26	Marks: 1 (Budgeted Time 1 Min)
7	An alternate method of implementing Comparators which allows the Comparators to be easily cascaded without the need for extra logic gates is	
Α	Answer (Please select your correct option)	M
	Using a single comparator	
	Using Iterative Circuit based Comparators	
8	correct	
	Connecting comparators in vertical hierarchy	
	Extra logic gates are always required. Made By: We	agar Siddha

C	Ques	tion No : 10 of 26 Marks: 1 (Budgeted Time 1 Min)	
	Tvvc	2-input, 4-bit multiplexers 74X157 can be connected to implement a multiplexer.	A
			V
1	insv	ver (Please select your correct option)	
	_	2-input, 8-bit	
	0	<u>correct</u>	
Ш		2-input, 4-bit	
	0		
Ш		4-input, 8-bit	
	0	The details of the second of t	
Ш	0	4-input, 16-bit	
	U	Made By: Waqar Siddh	U

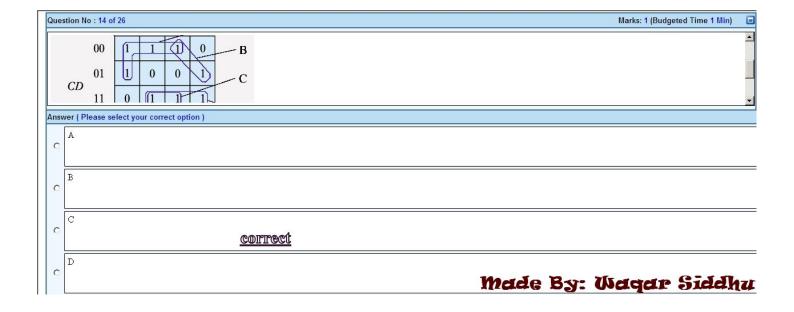
Ques	stion No : 11 of 26 Marks: 1 (Budgeted Time 1 Min)	•
A.(E	3.C) = (A.B).C is an expression of	A
		A
		~
Ansv	ver (Please select your correct option)	
0	Demorgan's Law	
	Distributive Law	
0		
	Commutative Law	
С		
	Associative Law	_
O		
	correct Made By: Wagar Siddh	4

C	Ques	tion No : 12 of 26 Marks: 1 (Budgeted Time 1 Min)	
	(A	$+B$)($\mathbb{A}+\overline{\mathbb{B}}+\mathbb{C}$)($\overline{\mathbb{A}}+\mathbb{C}$) is an example of	
Δ	nsv	ver (Please select your correct option)	Th.el
	O	Product of sum form <u>CONTRECT</u>	
	О	Sum of product form	
	С	Demorgans law	
	О	Associative law Made By: Wagar Siddh	u

C	Que	stion No : 13 of 26 Marks: 1 (Budgeted Time 1 Min)	=
	The	e expression F=A+B+C describes the operation of 3-bit gate.	
A	insv	wer (Please select your correct option)	F
	0	OR COITEC	
	0	AND	
	0	NOT	
	0	Made By: Waqar Siddh	14

Question No : 14 of 26	Marks: 1 (Budgeted Time 1 Min)
In the following Karnaugh map, which group has "legal grouping"?	_
V AB	
X	.
Answer (Please select your correct option)	
C A	
c c	
correct	
D	
made By: U	haqar Siddhu

Que	tion No : 15 of 26 Marks: 1 (Budgeted Time 1 Min)	
Αp	articular Full Adder has inputs and output(s).	A
		V
Ansv	er (Please select your correct option)	
0	2,3	
0	2, 2	
О	3,2 correct	
О	^{3,3} Made By: Waqar Siddh	U



Question No : 14 of 26 Marks: 1 (Budgeted Time 1 Min)) 🖪
Answer (Please select your correct option)	
c correct	
اه المحادث ال	hu

0	Que	stion No : 16 of 26 Marks: 1 (Budgeted Time 1 Min)	=
	Wh	nich of the following is a symbol of OR operation in ABEL?	A
			V
1	Ansv	wer (Please select your correct option)	
	0	#	
	0	<u>correct</u>	
	0	\$	
	_	L	
	0		
		&	
	0	Made By: Waqar Siddk	W

Que	estion No : 17 of 26	Marks: 1 (Budgeted Time 1 Min)
A la	atch has stable state(s).	_
		_
		·
Ansv	swer (Please select your correct option)	
0	One	
0	Two correct	
	<u>CONTINUE</u>	
0	Three	
	Four	
	made by: Wa	19ar Siddhu

(Ques	stion No : 18 of 26 Marks: 1 (Budgeted Time 1 Min)	•
	A la	tch retains its state unless	A
			A
L	\	(Disease select your correct out in)	
1	ansv	ver (Please select your correct option)	
Ш	_	Power is turned off	
	О		
		Input is changed	
	0	<u>correct</u>	
Ш		Output is changed	
	C		
		Cleat wides in absorbed	_
	0	Clock pulse is changed	
		made By: Waqar Siddh	U

Qu	estion No : 19 of 26 Marks: 1 (Budgeted Time 1 Min)	
A	S = 0 and R = 1, an active-HIGH SR latch is in condition.	_
		v
An	swer (Please select your correct option)	
c	SET	
	RESET	
(correct	
c	Invalid	
c	No change Made By: Waqar Siddh	U

0	Ques	stion No : 20 of 26 Marks: 1 (Budgeted Time 1 Min)	•
	Wha	at are the sum (Σ) and the carry (C_{out}) for full adder circuit when $A=1$, $B=1$ and $C_{in}=0$?	A
			A
			7
,	Ansv	ver (Please select your correct option)	
		Σ = 0, C_{out} = 1	
	О	<u>correct</u>	
		Σ = 1, C_{out} = 0	
	0		
		Σ = 1, C_{out} = 1	
	0		
		$\sum = 0, C_{\text{out}} = 0$	
	0		
П		Made By: Waqar Siddl	14

