Ques	stion No : 1 of 26 Marks: 1 (Budgeted Time 1 Min)	•
The	e range of Excess-8 code is from to	
		V
Answ	ver ( Please select your correct option )	
	+7 to -8	
0	correct	
0	+8 to -7	
	+9 to -8	
0	7910-0	
	-9 to +8	
0	Made By: Waqar Siddk	17

Q	uestion No : 2 of 26	Marks: 1 (Budgete	ed Time 1 Min) 🔳
F	he decimal "17" in BCD will be represented as		
			_
			<b>V</b>
Aı	nswer ( Please select your correct option )		
	11101		
	11011		
	10111		
1	correct		
	11110		
	made By:	Waqar a	51ddhu

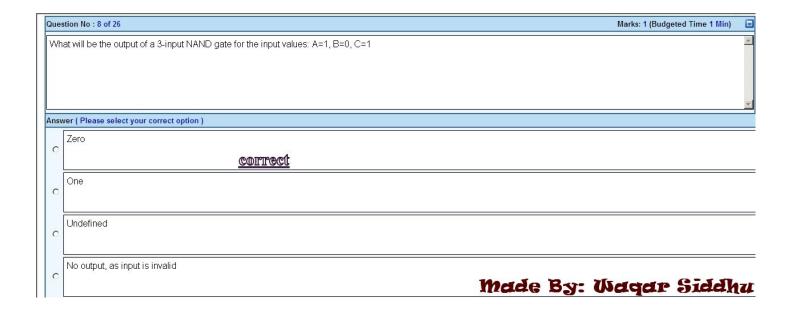
Q	ues	stion No : 3 of 26	Marks: 1 (Budgete	ed Time 1 Min) 🔲
	The	e four outputs of two 4-input multiplexers, connected to form a 16-input multiplexer, are connected together through a 4-input gate		<u> </u>
L				<u> </u>
A	nsv	ver ( Please select your correct option )		
	C	AND		
		OR		
	C	<u>correct</u>		
		NAND		
	C			
		XOR		
	0	made by: U	dqdr	Siddhu

C	)ues	stion No : 4 of 26 Marks: 1 (Budgeted Time 1 Min)	•
	A st	tandard interface for programming the In-System PLD consists of	<b>A</b>
			<b>V</b>
А	เทรง	ver ( Please select your correct option )	
	0	2-wire	
	0	4-wire	
	~	<u>correct</u>	
	0	8-wire	
	0	16-wire	
	~	Made By: Waqar Siddl	14

Q	(ue	stion No : 5 of 26 Marks: 1 (Budgeted Time 1 Min)	•
[-		Dual, 4-input multiplexer can be connected to form a 16-input multiplexer.	<b>A</b>
			Y
А	nsv	wer ( Please select your correct option )	
		2	
3	0		
		3	
3	0		
		4	
3	0	correct	
	0	5	
	~	made By: Waqar Siddl	14

Que	estion No : 6 of 26	Marks: 1 (Budgeted Time 1 Min)	
S-	R latch can be implemented by using gates		<b>A</b>
			<u>A</u>
0	Discount Office and the state of the state o		
Ans	swer ( Please select your correct option )		
	AND, OR		
С	correct		
	NAND, NOR		
С			
	NAND, XOR		_
C			
	NOT, XOR		
С	Made By:	Waqar Siddh	U

Qu	on No : 7 of 26 Marks: 1 (Budgeted Time 1 Min)	•
А	duct term is 0 when	<u> </u>
An	r ( Please select your correct option )	1840
c	ony of the literals is 1	
c	at least two literals are 1	
c	all the literals are 1	
c	ony of the literal is 0 <u>correct</u> Made By: Waqar Siddh	U



Qı	estion No : 9 of 26	Marks: 1 (Budgeted	d Time 1 Min)
	is not a valid hexadecimal number.		
			V
Αı	swer ( Please select your correct option )		
	, 1234		
	ABCD		
	, 1001		
	correct made by:	Waqar :	siddhu

0	Ques	stion No : 10 of 26 Marks: 1 (Budgeted Time 1 Min)	•
	2's	complement of any binary number can be calculated by	<u>A</u>
	1	ver ( Please select your correct option )	v
ľ	Answ		
	C	adding 1 to 1's complement <u>correct</u>	
	0	subtracting 1 from 1's complement.	
	0	calculating 1's complement and inverting Most significant bit	
	0	adding 1's complement twice  Made By: Wagar Siddly	14

Question No : 11 of 26	Marks: 1 (Budgeted Time 1 Min)
A BCD to 7-Segment decoder has inputs and outputs.	<u> </u>
	<b>Y</b>
Answer ( Please select your correct option )	
c 3,7	
C 4.7 COPTRECT	
7,3	
made By: W	iaqar Siddhu

Que	estion No : 12 of 26 Marks: 1 (Budgeted Time 1 Min)	•
W	hich of the following simplification method is intended to be used for Boolean expressions having more than four variables?	4
		7
Ans	wer ( Please select your correct option )	
С	Boolean Algebra and rules	
	Karnauph Map	
C		
	Quine-McCluskey	
C	commed	
	<u>correct</u>	
	Demorgan's Theorem	
0	made By: Wagar Siddl	17

Question No : 13 of 26	Marks: 1 (Budgeted Time 1 Min)
In the following Karnaugh map, which group has "legal grouping" ?	_
X $AB$	
00 01 11 10 A	▼
Answer ( Please select your correct option )	
A	
C	
В	
C	
С	
correct	
<u>3011330</u>	
made By: 1	baqar Siddhu

Question No : 13 of 26	Marks: 1 (Budgeted Time 1 Min)
$CD = \begin{bmatrix} 00 & 1 & 1 & 1 & 1 & 0 \\ 01 & 1 & 0 & 0 & 1 \\ 11 & 0 & 1 & 1 & 1 \\ 0 & 1 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 $	
Answer ( Please select your correct option )	
СВ	
C	
made by: U	baqar Siddhu

Question No : 13 of 26 Marks: 1 (Budgeted Time 1 Min)	
11 0 1 1 D 10 0 1 1 0	4
	¥
Answer ( Please select your correct option )	
c A	
С	
c c	
Made By: Waqar Siddh	U

Question No : 14 of 26	Marks: 1 (Budgeted Time 1 Min)
What are the values of sum and carry out when two 4-bit binary numbers (1011 and 1111) are applied to a 4-bit parallel adder and carry input	t is 1.
	<u>×</u>
Answer ( Please select your correct option )	
$\Sigma_4 \Sigma_1 \Sigma_2 \Sigma_1 = 0111, C_{out} = 0$	
$\Sigma_{4}\Sigma_{1}\Sigma_{2}\Sigma_{1} = 1111, C_{out} = 1$	
C	
$\Sigma_4\Sigma_2\Sigma_2$ = 1011, $C_{out}$ = 1	
$\Sigma_4 \Sigma_1 \Sigma_2 \Sigma_1 = 1100$ , $C_{qui} = 1$	
	Deser Mentales Calables
Maag	: By: Waqar Siddhu

Qu	estion No : 15 of 26 Marks: 1 (Budgeted Time 1 Min)	•
A	particular half-adder has inputs and output(s).	
	num ( Disease relactivous assessed aution )	×
Ans	swer ( Please select your correct option )	
С	3,1	
С	3,2	
C	2,1	
	2,2	
С	correct Made By: Wagar Siddh	U

Question No : 16 of 26	Marks: 1 (Budgeted Time 1 Min)
TTL based devices work with a DC supply of Volts	<u></u>
	<u>y</u>
Answer ( Please select your correct option )	
+10	
C	
+5	
<u>correct</u>	
+3	
C 3.3	
made B	y: Waqar Siddhu

Q	Question No : 17 of 26	Marks: 1 (Budge	eted Time 1 Min)
	In CMOS 5 Volt series, Input voltage for Logic high signal (V <sub>IH</sub> ) is in the range ofvolts.		<u> </u>
L			▼
А	Answer ( Please select your correct option )		
2000	C 3.5 to 5 COPPRECT		
A (2)	C 4.5 to 5		
200	O to 5		
7200	0 to 3.5 Made By: 0	Waqar	Siddhu

Qu	lestion No : 18 of 26 Marks: 1 (Budget	ted Time 1 Min)
A	multiplexer circuit has input(s) and output(s).	_
Δn	iswer ( Please select your correct option )	×
All		
c	Single, single	
	Single, multiple	
C		
	Multiple, single	
	Multiple, multiple	
	correct Made By: Waqar	Siddhu

Q	Question No : 19 of 26	Marks: 1 (Budgete	d Time 1 Min)
ī	The binary values for the standard SOP expression, ABCD + ABCD + ABCD are		<b>A</b>
			¥
Aı	Inswer ( Please select your correct option )		
1	C 1110+0110+0001		
	<u>coirrect</u>		
	C 1011+1111+1011		
ı	C 0001+1001+1110		
	1010+1110+0101 <b>made By: W</b>	idgar (	Siddhu

Que	estion No : 20 of 26 Marks: 1 (Budgeted Time	
Det (A +	termine the binary values of the variables for the following standard POS expression. + $B$ + $C$ /( $A$ + $B$ + $C$ )	<u> </u>
		9
Ansv	wer ( Please select your correct option )	
	(1+0+1)(0+1+0)	
0	<u>correct</u>	
0	(0+1+0)(1+0+1)	
	(1+0+0)(0+0+1)	
0		
	(0+1+0)(1+1+0)	
0	made By: U	baqar Siddhu



