

CS302

Note:

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Exam Term: Mid Total MCQS: 102

Prepared By:



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- 1 2's complement of any binary number can be calculated by
 - 1. adding 1's complement twice
 - 2. adding 1 to 1's complement
 - 3. subtracting 1 from 1's complement.
 - 4. calculating 1's complement and inverting Most significant bit

Correct Choice: 2 From Lectuer # 2

- www.vugujranwala.com **2 Sum-of-Weights method is used**
 - 1. to convert from one number system to other
 - 2. to encode data
 - 3. to decode data
 - 4. to convert from serial to parralel data

Correct Choice : 1 From Lectuer # 2

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- 3 The complement of a variable is always
 - 1. 1
 - 2. 0
 - 3. The inverse of the variables correct answer
 - 4. None

Correct Choice: 3 From Lectuer # 2

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- 4 The difference of 111 001 equals
 - 1. 100
 - 2. 111
 - 3. 001
 - 4. 110

Correct Choice: 4 From Lectuer # 2

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- 5 The Unsigned Binary representation can only represent positive binary numbers
 - 1. TRUE
 - 2. FALSE
 - 3.
 - 4.

Correct Choice : 1 From Lectuer # 2

- **6** which of the following rules states that if one input of an AND gate is always 1, the output is equal to the other input?
 - 1. A +1 =1
 - 2. A + A = A
 - 3. A.A = A
 - 4. A.1= A



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Correct Choice: 3

From Lectuer # 2

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- 7 Which of the number is not a representative of hexadecimal system
 - 1. 1234
 - 2. ABCD
 - 3. 1001
 - 4. DEFH

Correct Choice: 4 From Lectuer # 2

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- 8 Which one of the following is NOT a valid rule of Boolean algebra?
 - 1. A = A'
 - AA = A
 - 3. A + 1 = 1
 - 4. A + 0 = A

Correct Choice: 1 From Lectuer # 2

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- 9 In the binary number '10011' the weight of the most significant digit is _____
 - 1. 2⁴(2 raise to power 4)
 - 2. 2³ (2 raise to power 3)
 - 3. 2⁰ (2 raise to power 0)
 - 4. 2¹ (2 raise to power 1)

Correct Choice: 1 From Lectuer # 2

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- 10 The binary value ' 1010110 ' is equivalent to decimal _____
 - 1. 86
 - 2. 87
 - 3. 88
 - 4. 89

Correct Choice: 1 From Lectuer # 2

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- 11 2's complement of hexadecimal number B70A is
 - 1. B70B
 - 2. B709
 - 3. 48F6
 - 4. 48F5

Correct Choice : 3 From Lectuer # 2

12 - 2's complement of 5 is

- 1. 1101
- 2. 1011
- 3. 0101
- 4. 1100



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Correct Choice : 3	From Lectuer # 2

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13 - The	4-bit 2's complement rep	resentation of ' -7 ' is
1.	111	
2.	1111	
	1001	
4.	110	
	Correct Choice : 3	From Lectuer # 2
11 - The	values that exceed the sr	www.vugujranwala.com Decified range can not be correctly represented and are
	ed as	becined range can not be correctly represented and are
CONSIGCI	cu us	
1.	Overflow	
2.	Carry	
3.	-	
4.	Sign value	
	Correct Choice : 1	From Lectuer # 3
15 - If w	o multiply ' 723 ' and ' 34 '	by representing them in floating point notation i.e. by
		pint representation and then multiplying them, the value
	ssa of result will be	
OI IIIaiili	33a Of Te3ult Will be	
1.	24.582	
	2.4582	
	24582	
4.	0.24582	
	Correct Choice : 1	From Lectuer # 3
40 Th.		www.vugujranwala.com
		F=A+B+C will be Logic when A=0, B=1, C=1.
tne symi	bol ' + ' here represents O	R Gate.
1.	Undefined	
2.	One	
3.	Zero	
4.	10 (binary)	
•	Correct Choice : 2	From Lectuer # 3
4- 16		www.vugujranwala.com
	-	representing them in floating point notation i.e. by first,
		epresentation and then adding them, the value of
exponer	nt of result will be	_
1.	0	
1. 2.	1	
2. 3.	2	
4.	3	
	Correct Choice : 3	From Lectuer # 3



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18 - In A	NSI/IEEE Standard 754 ' Ma	antissa ' is represented by	bits
4.	8-bits 16-bits 23-bits 64-bits Correct Choice: 3	From Lectuer # 3 www.vugujranwala.com	
19 - A B	CD to 7-Segment decoder h	as	
1. 2. 3. 4.	3 inputs and 7 outputs 4 inputs and 7 outputs 7 inputs and 3 outputs 7 inputs and 4 outputs Correct Choice: 2	From Lectuer # 4 www.vugujranwala.com	
20 - The	decimal 8 is represented as	s using Gray Code.	
1. 2. 3. 4.	11 1100 1000 1010 Correct Choice : 2	From Lectuer # 4	
24 A NI		www.vugujranwala.com	
21 - A N	AND gate's output is LOW if		
1. 2. 3. 4.	all inputs are LOW all inputs are HIGH any input is LOW any input is HIGH Correct Choice: 2	From Lectuer # 5 www.vugujranwala.com	T 0-4-
22 - NOI	R Gate can be used to perfo	rm the operation of AND, OR and NO	i Gate
1. 2. 3. 4.	FALSE TRUE		
	Correct Choice : 1	From Lectuer # 5 www.vugujranwala.com	
23 - NOI	R gate is formed by connect		
1. 2. 3. 4.	OR Gate and then NOT G NOT Gate and then OR G AND Gate and then OR G OR Gate and then AND G Correct Choice: 3	ate ate	



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24 -	The	AND Gate performs a logic	alfunction
	1.	Addition	
	2.	Subtraction	
	3.	Multiplication	
	4.	Division	
		Correct Choice : 3	From Lectuer # 5
25 -		Extended ASCII Code (Amo	erican Standard Code for Information Interchange) is a
	1.	2-bit	
	2.	7-bit	
	3.	8-bit	
	4.	16-bit	
		Correct Choice : 3	From Lectuer # 5 www.vugujranwala.com
26 -	The	OR gate performs Boolean	
	1.	multiplication	
	2.	subtraction	
	3.	division	
	4.	addition	
		Correct Choice : 4	From Lectuer # 5 www.vugujranwala.com
27 -	The	output of an AND gate is or	• •
	1.	All of the inputs are one	
	2.	Any of the input is one	
	3.	Any of the input is zero	
	4.	All the inputs are zero	
		Correct Choice : 1	From Lectuer # 5 www.vugujranwala.com
28 -	ΑN	OR's gate output is HIGH if	**************************************
	1.	all inputs are HIGH	
	2.	any input is HIGH	
	3.	any input is LOW	
	4.	all inputs are LOW	
		Correct Choice : 4	From Lectuer # 5 www.vugujranwala.com
29 -	One	advantage TTL has over C	
	1.	less expensive	
	2.	not sensitive to electrosta	tic discharge
	3.	faster	
	4.	more widely available	



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Correct Choice: 2 From Lectuer # 6

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30 - Far	n-out is specified in terms of
1.	voltage
2.	current
3.	
4.	unit loads
т.	Correct Choice : 4 From Lectuer # 7
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	nerally, the Power dissipation of devices remains constant throughout
their ope	eration.
1.	TTL
	CMOS 3.5 series
	CMOS 5 Series
4.	Power dissipation of all circuits increases with time.
	Correct Choice : 1 From Lectuer # 7
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32 - Wh	ich one is true:
1.	Power consumption of TTL is higher than of CMOS
2.	
3.	·
4.	Power consumption of both CMOS and TTL depends on no. of gates in the
circ	cuit.
	Correct Choice: 1 From Lectuer # 7
33 - 3 3	v CMOS series is characterized by and as compared to
	CMOS series.
1.	Low switching speeds, high power dissipation
2.	
3.	Fast switching speeds, very low power dissipation
4.	Low switching speeds, very low power dissipation
	Correct Choice: 3 From Lectuer # 7
34 - 8-bi	it parallel data can be converted into serial data by using multiplexer
1.	4-to-2
2.	4-to-4
3.	8-to-1
4.	8-to-4
	Correct Choice: 3 From Lectuer # 8
35 - A lo	www.vugujranwala.com ogic circuit with an output $X = A(Bar)BC + AB(Bar)$ consists of
1.	two AND gates, two OR gates, two inverters



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- 2. three AND gates, two OR gates, one inverter
- 3. two AND gates, one OR gate, two inverters
- 4. two AND gates, one OR gate

Correct Choice: 3 From Lectuer #8

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- 36 the boolean expression AB'CD'is
 - 1. a sumterm
 - 2. a product term
 - 3. a literal term
 - 4. always 1

Correct Choice: 2 From Lectuer #8

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- **37** The boolean expression X = AB + CD represents
 - two ORs ANDed together
 - 2. a 4-input AND gate
 - 3. two ANDs ORed together
 - 4. an exclusive-Or

Correct Choice: 3 From Lectuer # 8

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- **38** The expression _____ is an example of Commutative Law for Multiplication.
 - 1. AB+C = A+BC
 - 2. A(B+C) = B(A+C)
 - 3. AB=BA
 - 4. A+B=B+A

Correct Choice: 3 From Lectuer #8

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- **39** To implement the expression AB(bar)CD+ ABC(bar)D+ ABCD (bar), it takes one OR gate and
 - 1. three AND gates and three inverters
 - 2. three AND gates and four inverters
 - 3. three AND gates
 - 4. one AND gate

Correct Choice: 1 From Lectuer # 8

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- 40 the boolean expression A + B' + C is
 - 1. a sum term
 - 2. a literal term
 - 3. a product term
 - 4. a complemented term

Correct Choice: 1 From Lectuer # 8

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41 - The minterm expansion for F(A,B,C) = (A+B+C)(A+B'+C')(A'+B+C')(A'+B'+C') is



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- 1. F(A,B,C) = Pi M(0,3,5,6)
- 2. F(A,B,C) = Summation m(0,3,5,6)
- 3. F(A,B,C) = Summation m(0,3,5,6)
- 4. F(A,B,C) = Summation m(1,2,4,7)

Correct Choice: 1

From Lectuer # 8

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42 - (A+B).(A+C) = _____

- 1. B+C
- 2. A+BC
- 3. AB+C
- 4. AC+B

Correct Choice : 2

From Lectuer #8

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43 - A (bar)B +A(bar)BC(bar)+AC is an example of _____

- 1. Product of sum form
- 2. Sum of product form
- 3. Demorgans law
- 4. Associative law

Correct Choice: 2

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44 - An example of SOP expression is

- 1. A + B(C + D)
- 2. A'B + AC' + AB'C
- 3. (A' + B + C)(A + B' + C)
- 4. both (a) nad (b)

Correct Choice: 2

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45 - Determine the values of A, B, C, and D that make the sum term A(bar) + B+C(bar)+D equal to zero.

- 1. A = 1, B = 0, C = 0, D = 0
- 2. A = 1, B = 0, C = 1, D = 0
- 3. A = 0, B = 1, C = 0, D = 0
- 4. A = 1, B = 0, C = 1, D = 1

Correct Choice: 2

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- 46 The binary value of 1010 is converted to the product term A(Bar)BC(Bar)D
 - 1. TRUE
 - 2. FALSE
 - 3.
 - 4.

Correct Choice: 2 From Lectuer # 8

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47 - The bolean expression A + BC equals



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- 1. (A' + B)(A' + C)
- 2. (A + B)(A + C)
- 3. (A + B)(A' + C)
- 4. none of the above

Correct Choice : 2 From Lectuer # 8
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48 - A.(B + C) = A.B + A.C is the expression of _____

- 1. Demorgan's Law
- 2. Commutative Law
- 3. Distributive Law
- 4. Associative Law

Correct Choice : 3 From Lectuer # 8

www.vugujranwala.com **49** - According to Demorgan's theorem: (A+B+C)bar =

- 1. A.B.C
- 2. A+(B.C)Bar
- 3. A(Bar).B(Bar).C(Bar)
- 4. A.B(Bar)+C

Correct Choice: 3 From Lectuer # 8

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50 - High level Noise Margins (VNH) of CMOS 5 volt series circuits is _____

- 1. 0.3 V
- 2. 0.5 V
- 3. 0.9 V
- 4. 3.3 V

Correct Choice: 3 From Lectuer #8

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51 - A.(B.C) = (A.B).C is an expression of _____

- 1. Demorgan's Law
- 2. Distributive Law
- 3. Commutative Law
- 4. Associative Law

Correct Choice : 4 From Lectuer # 8

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52 - A non-standard POS is converted into a standard POS by using the rule _____

- 1. A+A(bar) = 1
- 2. AA(bar) = 0
- 3. 1+A=1
- $4. \quad A+B=B+A$

Correct Choice: 1 From Lectuer # 9

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53 - Following is standard POS expression (A+B(bar)+C+D(bar))(A+B(bar)+C+D(bar))(A+B(bar)+C



ar)+D)

1.

2.

3.

4.

4

8

12

16

1. TRUE 2. FALSE 3. 4. Correct Choice: 1 From Lectuer # 9 www.vugularmeta.com 54 - A Karnaugh map is similar to a truth table because it presents all the possible values of input variables and the resulting output of each value. 1. TRUE 2. FALSE 3. 4. Correct Choice: 1 From Lectuer # 10 55 - A SOP expression is equal to 1	J., 12,			
54 - A Karnaugh map is similar to a truth table because it presents all the possible values of input variables and the resulting output of each value. 1. TRUE 2. FALSE 3. 4. Correct Choice : 1 From Lectuer # 10 ***Standard Standard St	2. 3.			
54 - A Karnaugh map is similar to a truth table because it presents all the possible values of input variables and the resulting output of each value. 1. TRUE 2. FALSE 3. 4. Correct Choice : 1 From Lectuer # 10 55 - A SOP expression is equal to 1 1. All the variables in domain of expression are present 2. At least one variable in domain of expression is present. 3. When one or more product terms in the expression are equal to 0. 4. When one or more product terms in the expression are equal to 1. Correct Choice : 4 From Lectuer # 10 Winner Dectuer # 10 The standard of the product term is produced by 1. a 2-cell group of 1s 2. a 8-cell group of 1s 3. a 4-cell group of 1s 4. a 4-cell group of 0s Correct Choice : 3 From Lectuer # 10 The standard of the possible values of the possible values. 57 - The 3-variable Karnaugh Map (K-Map) has cells for min or max terms 1. 4 2. 8 3. 12 4. 16 Correct Choice : 2 From Lectuer # 10 Winner Dectuer # 10 Win		Correct Choice : 1		
2. FALSE 3. 4. Correct Choice: 1 From Lectuer # 10 55 - A SOP expression is equal to 1 1. All the variables in domain of expression are present 2. At least one variable in domain of expression is present. 3. When one or more product terms in the expression are equal to 0. 4. When one or more product terms in the expression are equal to 1. Correct Choice: 4 From Lectuer # 10 Weary. Organisal Com 56 - In a 4-variable K-map, a 2-variable product term is produced by 1. a 2-cell group of 1s 2. a 8-cell group of 1s 3. a 4-cell group of 1s 4. a 4-cell group of 0s Correct Choice: 3 From Lectuer # 10 S7 - The 3-variable Karnaugh Map (K-Map) has cells for min or max terms 1. 4 2. 8 3. 12 4. 16 Correct Choice: 2 From Lectuer # 10			ruth table because it	presents all the possible values
1. All the variables in domain of expression are present 2. At least one variable in domain of expression is present. 3. When one or more product terms in the expression are equal to 0. 4. When one or more product terms in the expression are equal to 1. Correct Choice: 4 From Lectuer # 10 S6 - In a 4-variable K-map, a 2-variable product term is produced by 1. a 2-cell group of 1s 2. a 8-cell group of 1s 3. a 4-cell group of 1s 4. a 4-cell group of 0s Correct Choice: 3 From Lectuer # 10 S7 - The 3-variable Karnaugh Map (K-Map) has cells for min or max terms 1. 4 2. 8 3. 12 4. 16 Correct Choice: 2 From Lectuer # 10 WWW.Vugujiranvala.com	2. 3.			
1. All the variables in domain of expression are present 2. At least one variable in domain of expression is present. 3. When one or more product terms in the expression are equal to 0. 4. When one or more product terms in the expression are equal to 1. Correct Choice: 4 From Lectuer # 10 Window, Vuguljanwala.com 56 - In a 4-variable K-map, a 2-variable product term is produced by 1. a 2-cell group of 1s 2. a 8-cell group of 1s 3. a 4-cell group of 1s 4. a 4-cell group of 0s Correct Choice: 3 From Lectuer # 10 Window, Vuguljanwala.com 57 - The 3-variable Karnaugh Map (K-Map) has cells for min or max terms 1. 4 2. 8 3. 12 4. 16 Correct Choice: 2 From Lectuer # 10		Correct Choice : 1		
2. At least one variable in domain of expression is present. 3. When one or more product terms in the expression are equal to 0. 4. When one or more product terms in the expression are equal to 1. Correct Choice: 4 From Lectuer # 10 WWW.Vugujiranwala.com 56 - In a 4-variable K-map, a 2-variable product term is produced by 1. a 2-cell group of 1s 2. a 8-cell group of 1s 3. a 4-cell group of 1s 4. a 4-cell group of 0s Correct Choice: 3 From Lectuer # 10 WWW.Vugujiranwala.com 57 - The 3-variable Karnaugh Map (K-Map) has cells for min or max terms 1. 4 2. 8 3. 12 4. 16 Correct Choice: 2 From Lectuer # 10	55 - A S	OP expression is equal to 1	• .	
1. a 2-cell group of 1s 2. a 8-cell group of 1s 3. a 4-cell group of 0s 4. a 4-cell group of 0s Correct Choice: 3 From Lectuer # 10 www.vugujranwala.com 57 - The 3-variable Karnaugh Map (K-Map) has cells for min or max terms 1. 4 2. 8 3. 12 4. 16 Correct Choice: 2 From Lectuer # 10 www.vugujranwala.com	2. 3.	At least one variable in do When one or more produc When one or more produc	main of expression is t terms in the express t terms in the express From Lectuer # 10	present. sion are equal to 0.
 2. a 8-cell group of 1s 3. a 4-cell group of 0s 4. a 4-cell group of 0s 57 - The 3-variable Karnaugh Map (K-Map) has cells for min or max terms 1. 4 2. 8 3. 12 4. 16 Correct Choice : 2 From Lectuer # 10 www.vugujranwala.com 	56 - In a	4-variable K-map, a 2-varia	ble product term is pr	oduced by
1. 4 2. 8 3. 12 4. 16 Correct Choice: 2 From Lectuer # 10 www.vugujranwala.com	2. 3. 4.	a 8-cell group of 1s a 4-cell group of 1s a 4-cell group of 0s Correct Choice: 3	www.vugujranwala.com	cells for min or max terms
 2. 8 3. 12 4. 16 Correct Choice: 2 From Lectuer # 10 www.vugujranwala.com 	01 1110	o variable ramaagii wap (i	(Wap) Nao	conc for thin or than to the
	2. 3.	8 12 16		
	58 - The	4-variable Karnaugh Map (k		cells for min or max terms



Correct Choice: 4

From Lectuer # 10

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- 59 On a Karnaugh map, grouping the 0s produces
 - 1. a POS expression
 - 2. a SOP expression
 - 3. a "don't care" condition
 - 4. AND-OR logic

Correct Choice: 1

From Lectuer # 11

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- 60 A 5-variable karnaugh map has
 - 1. 16
 - 2. 32
 - 3. 64
 - 4. None

Correct Choice : 2 From Lectuer # 11

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- $\bf 61$ The binary numbers A = 1100 and B = 1001 are applied to the inputs of a comparator. What are the output levels?
 - 1. A > B = 1, A < B = 0, A < B = 1
 - 2. A > B = 0, A < B = 1, A = B = 0
 - 3. A > B = 1, A < B = 0, A = B = 0
 - 4. A > B = 0, A < B = 1, A = B = 1

Correct Choice: 3

From Lectuer # 12

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- 62 Adjacent 1s detector circuit will have active low output for the input
 - 1. 1101
 - 2. 1010
 - 3. 0110
 - 4. 1011

Correct Choice: 2 From Lectuer # 13

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- 63 Circuits having a bubble at their outputs are considered to have an active-low output.
 - 1. TRUE
 - 2. FALSE
 - 3.
 - 4.

Correct Choice: 1 From Lectuer # 13

- 64 Which gate is best used as a basic comparator?
 - 1. NOR
 - 2. OR
 - 3. exclusive-OR



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4. AND

> **Correct Choice: 3** From Lectuer # 13 www.vugujranwala.com

65 - A particular Full Adder has

- 1. 3 inputs and 2 output
- 3 inputs and 3 output 2.
- 2 inputs and 3 output 3.
- 4. 2 inputs and 2 output

Correct Choice: 1 www.vugujranwala.com

- **66** Half-Adder Logic circuit contains _____ XOR Gates.
 - 1.
 - 2. 2
 - 4 3.
 - 4.

Correct Choice: 1 From Lectuer # 14

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From Lectuer # 14

- 67 Half-Adder Logic circuit contains 2 XOR Gates
 - 1. **TRUE**
 - **FALSE** 2.
 - 3.
 - 4.

Correct Choice: 2 From Lectuer # 14

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68 - The function to be performed by the processor is selected by set of inputs known as

Function Select Inputs 1.

- Micro Operation selectors 2.
- **OPCODE Selectors** 3.
- 4. None of given option

Correct Choice: 1 From Lectuer # 15

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- 69 Two 2-bit comparator circuits can be connected to form single 4-bit comparator
 - 1. TRUE
 - 2. **FALSE**
 - 3.
 - 4.

Correct Choice: 1 From Lectuer # 16

- 70 For a 3-to-8 decoder how many 2-to-4 decoders will be required?
 - 1. 4
 - 3 2.



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')
_

4. 1

> **Correct Choice: 3** From Lectuer # 17

71 - Decimal-to-BCD

- 1. 2
- 2. 4
- 3. 10
- 4. 16

Correct Choice: 2 From Lectuer # 17

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72 - If '1110' is applied at the input of BCD-to-Decimal decoder which output pin will be activated:

- 1. 2nd
- 2. 3rd
- 3. 4h
- No output will be activated 4.

Correct Choice: 3 From Lectuer # 17

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- **73** The _____ Encoder is used as a keypad encoder.
 - 1. 2-to-8 encoder
 - 4-to-16 encoder 2.
 - **BCD-to-Decimal** 3.
 - Decimal-to-BCD Priority 4.

Correct Choice: 3 From Lectuer # 17

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74 - Two 2-input, 4-bit multiplexers 74X157 can be connected to implement a _____ multiplexer.

- 1. 4-input, 8-bit
- 4-input, 16-bit 2.
- 2-input, 8-bit 3.
- 2-input, 4-bit

Correct Choice: 3 From Lectuer # 18

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75 - Using multiplexer as parallel to serial converter requires _____ connected to the multiplexer

- 1. A parallel to serial converter circuit
- 2. A counter circuit
- 3. A BCD to Decimal decoder
- A 2-to-8 bit decoder

Correct Choice: 1 From Lectuer # 18

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76 - A demultiplexer has



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1.	one	input	and	several	outputs

- 2. one input and one output
- several inputs and several outputs 3.
- 4. several inputs and one output

Correct Choice: 1 From Lectuer # 19

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- **77** A Demultiplexer is not available commercially.
 - 1. **TRUE**
 - 2. **FALSE**
 - 3.
 - 4.

Correct Choice: 1 From Lectuer # 19

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- 78 Demultiplexer can also be used as
 - 1. Deselector
 - Decoder 2.
 - Distribuiter 3.
 - Encoder 4.

Correct Choice: 3 From Lectuer # 19

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- 79 Demultiplexer has
 - Single input and single outputs. 1.
 - Multiple inputs and multiple outputs. 2.
 - Single input and multiple outputs. 3.
 - Multiple inputs and single output.

Correct Choice: 3 From Lectuer # 19

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- 80 The main use of the Multiplexer is to
 - 1. Select data from multiple sources and to route it to a single Destination
 - Select data from Single source and to route it to a multiple Destinations 2.
 - Select data from Single source and to route to single destination 3.
 - Select data from multiple sources and to route to multiple destinations

Correct Choice: 1 From Lectuer # 19

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81 - The PROM consists of a fixed non-programmable _____ Gate array configured as a decoder.

- 1. **AND**
- 2. OR
- 3. NOT
- XOR 4.

Correct Choice: 1 From Lectuer # 19

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82 - The range of Excess-8 code is from _____ to ____



		rrem and quiz zum er ruduji umrundem
1.	+7 to -8	
2.	+8 to -7	
3.	+9 to -8	
4.	-9 to +8	
	Correct Choice : 1	From Lectuer # 19 www.vugujranwala.com
83 - Tri	-State Buffer is basically a/ar	• •
1.	AND	
2.	OR	
3.	NOT	
4.	XOR	
	Correct Choice : 3	From Lectuer # 19
84 - Wh	nen the control line in tri-state	e buffer is high the buffer operates like a
gate		
1.	AND	
2.	OR	
3.	NOT	
4.	XOR	
	Correct Choice : 3	From Lectuer # 19
85 - AB	EL is an acronym for	www.vuguji.aiiwaia.com
1.	Advanced Broadband Ena	abled Longitude
2.	Advanced Boolean Equati	ion Language
3.	None of the given options	
4.	Advanced Boolean Expres	ssion Language
	Correct Choice: 4	From Lectuer # 20
86 - GA	L can be reprogrammed bed	cause instead of fuses logic is used in it
1.	E^2CMOS	
2.	TTL	
3.	CMOS+	
4.	None of the given options	
	Correct Choice : 1	From Lectuer # 20 www.vugujranwala.com
87 - GA	L is an acronym for	• •
1.	Giant Array Logic	
2.	General Array Logic	
3.	, ,	
4.	Generic Analysis Logic	
	Correct Choice : 1	From Lectuer # 20

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88 - The GAL22V10 has ____ inputs

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	ujranwala .com	Solved From the Quiz Bank of	QUI
1.	22		
2.	10		
3.	44		
4.	20		
	Correct Choice : 2	From Lectuer # 20 www.vugujranwala.com	
The	maximum number that c	an be represented using	unsigned octal system is

16 **Correct Choice: 1** From Lectuer # 20

www.vugujranwala.com 90 - The ABEL symbol for 'XOR' operation is

1. \$

4.

- 2. #
- 3. !
- 4. &

Correct Choice: 1 From Lectuer # 20

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- 91 In ABEL the variable A is treated separately from variable a
 - 1. True
 - 2. **FALSE**
 - 3.
 - 4.

Correct Choice: 1 From Lectuer # 20 www.vugujranwala.com

92 - All the ABEL equations must end with _

- 1. '.'(a dot)
- '\$'(a dollar symbol)
- ';'(a semicolon) 3.
- 'endl' (keyword 'endl')

Correct Choice: 3 From Lectuer # 20

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- 93 The ABEL symbol for 'OR' operation is
 - 1. &
 - 2. !
 - 3. #
 - 4.

Correct Choice: 3 From Lectuer # 20

94 - The ABEL notation equivalent to Boolean expression A+B is:



- 1. A & B
- 2. A!B

	3.	A # B	
	4.	A \$ B	
		Correct Choice : 3	From Lectuer # 21 www.vugujranwala.com
95 -	The	OLMC of the GAL16V8 is _	to the OLMC of the GAL22V10
	1.	Similar	
	2.	Different	
	3.	Similar with some enhance	ements
	4.	Depends on the type of PA	•
		Correct Choice : 1	From Lectuer # 21 www.vugujranwala.com
96 -	A lat	ch has stable states	
	1.	One	
	2.	Two	
	3.	Three	
	4.	Four	
		Correct Choice : 2	From Lectuer # 22 www.vugujranwala.com
97 -	An S	S-R latch can be implemente	ed by using gates
		AND, OR	
		NAND, NOR	
		NAND, XOR	
	4.	NOT, XOR	Francis actives # 00
		Correct Choice : 2	From Lectuer # 22 www.vugujranwala.com
98 -	Cav	eman number system is Bas	• •
	1.	2	
	2.	5	
	3.	10	
	4.	16	From Lockway # 22
		Correct Choice : 2	From Lectuer # 22 www.vugujranwala.com
99 -	If an	active-HIGH S-R latch has	a 0 on the S input and a 1 on the R input and then the
R in	put g	oes to 0, the latch will be	B1
	1.	SET	
	2.	RESET	
	3.	Clear	
	4.	Invalid	
		Correct Choice : 2	From Lectuer # 22

100 - If an S-R latch has a 1 on the S input and a 0 on the R input and then the S input



goes to 0, the latch will be

- 1. set
- 2. reset
- 3. invalid
- 4. clear

Correct Choice : 1 From Lectuer # 22

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101 - The Quad Multiplexer has _____ outputs

- 1. 4
- 2. 8
- 3. 16
- 4. 12

Correct Choice: 1 From Lectuer # 22