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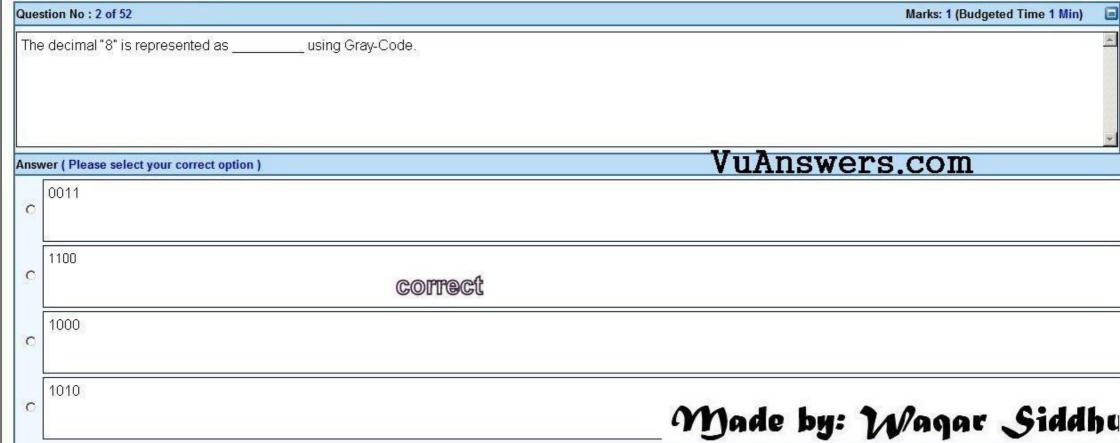
PAST PAPERS BY WAQAR SIDDHU

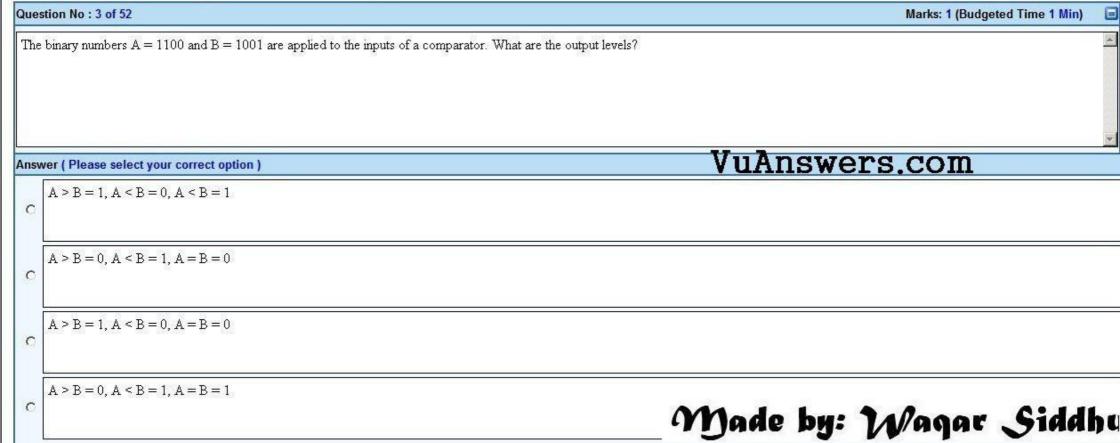
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Question No : 1 of 52		Marks: 1 (Budgeted Time 1 Min)
The diagram given below represents		
Answer (Please select your correct option)		VuAnswers.com
Demorgans law		
Associative law		
Product of sum form		
Sum of product form	correct	Made by: Wagar Siddhu



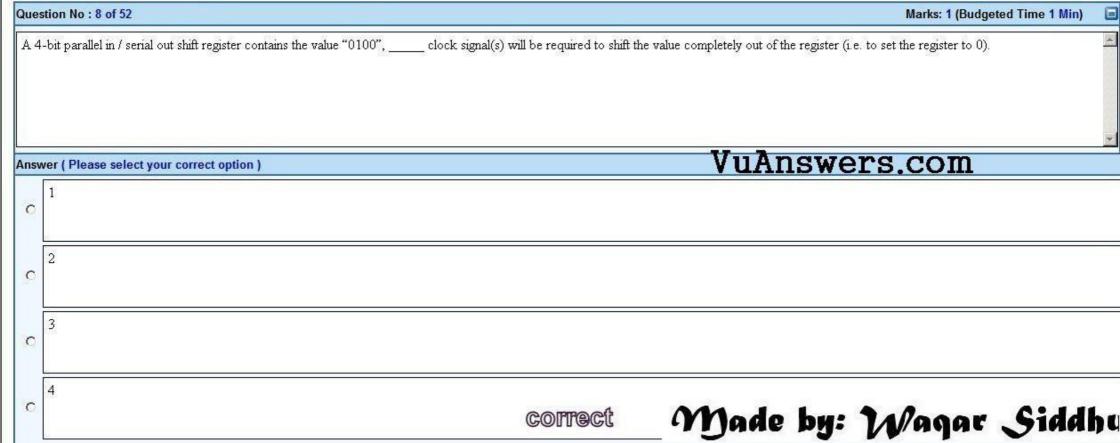


Question No : 4 of 52	Marks: 1 (Budgeted Time 1 Min)
The simplest of the Encoders are the Encoders	
Answer (Please select your correct option)	VuAnswers.com
C 2n-1-to-n	
n-to-2n	
2n-to-n	
n-to-2n-1	
ic The second se	Made by: Wagar Siddhu

Question No : 5 of 52		Marks: 1 (Budgeted Time 1 Min)	
Using multiplexer as parallel to serial converter requires	connected to the multiplexer		E E
Answer (Please select your correct option)		VuAnswers.com	
A parallel to serial converter circuit	correct		
A counter circuit			
A BCD to Decimal decoder			
A 2-to-8 bit decoder		Made by: Wagar Sidd	ho

Question No : 6 of 52	Marks: 1 (Budgeted Time 1 Min)
74HC163 has two enable input pins which are and	
Answer (Please select your correct option)	VuAnswers.com
ENP, ENT	
correct	
ENI, ENC	
ENP, ENC	
ENT, ENI	Made by: Wagar Siddhu

Question No: 7 of 52	Marks: 1 (Budgeted Time 1 Min)
Given the state diagram of an up/down counter, we can find	
Answer (Please select your correct option)	VuAnswers.com
The next state of a given present state	
The previous state of a given present state	
Both the next and previous states of a given state	correct
The state diagram shows only the inputs/outputs of a given states	Made by: Wagar Siddhu



Que	estion No : 9 of 52	Marks: 1 (Budgeted Time 1 Min)
(A	$+B)(A+\overline{B}+C)(\overline{A}+C)$ is an example of	
Ansv	wer (Please select your correct option)	VuAnswers.com
c	Product of sum form	
c	Sum of product form	
0	Demorgans law	
c	Associative law	Made by: Wagar Siddhu

Question No : 10 of 52	Marks: 1 (Budgeted Time 1 Min)
The 2's complement method is used to	
Answer (Please select your correct option)	VuAnswers.com
Convert binary numbers to decimal	
Convert decimal numbers to binary	
Represent signed numbers	correct
Represent positive numbers	Made by: Wagar Siddhu

Question No : 11 of 52	Marks: 1 (Budgeted Time 1 Min)
1011 – 101 =	
Note: both values are in binary	
Answer (Please select your correct option)	VuAnswers.com
1100	
0110	mma a A
GO	rrect
0011	
1001	
	Made by: Wagar Siddhu

Que	estion No : 12 of 52	Marks: 1 (Budgeted Time 1 Min)
At	J = 1, and K = 1, output of JK Flip-flop will be	
Ans	wer (Please select your correct option)	VuAnswers.com
c	Set	
C	Reset	
	Toggle	
0	correct	
c	Invalid	Made by: Wagar Siddhe

(Question No: 13 of 52	Marks: 1 (Budgeted Time 1 Min)	
	When one 1 is taken as a group on a Karnaugh map, the number of variables eliminated from the output expression is/are		4
1	Answer (Please select your correct option) VUANSWE	rs.com	
	i i		
	2		_
	correct		
	³ Made by:	Wagar Siddh	L

Question No: 14 of 52	Marks: 1 (Budgeted Time 1 Min)
Using 15 digits (including the sign digit) notation the largest number that can be represented is	
Answer (Please select your correct option)	VuAnswers.com
C 999,999,999 × 10100	
0.999,999,999 × 10100	
999,999,999 × 10 ⁹⁹	
0.999,999,999×10°° COFFECT	Made by: Wagar Siddhu

Que	stion No : 15 of 52		Marks: 1 (Budgeted Time 1 Min)
The	e output of first 74HC163 counter is connected to	and inputs of other 74HC163 counter to form a single casca	ded counter
Ans	wer (Please select your correct option)	VuAns	swers.com
c	RCO, ENT, ENP	correct	
c	ENT, RCO, ENP		
С	ENP, RCO, ENT		
С	RCO, ENI, ENC	Made 1	by: Waqar Siddhu

Question No : 16 of 52	Marks: 1 (Budgeted Time 1 Min)
The Sequential circuit whose output depends on the current state and the input is known as	
Answer (Please select your correct option) VuAn	swers.com
Moore Machine	
Mealy Machine COFFECT	
Counter	
Flip Flop Made	by: Waqar Siddhu

Question No: 17 of 52	Marks: 1 (Budgeted Time 1 Min)
The best state assignment tends to	
Answer (Please select your correct option)	VuAnswers.com
Maximizes the number of state variables that don't change in a group of related states	correct
Minimizes the number of state variables that don't change in a group of related states	
Minimizes the equivalent states	
Maximizes the equivalent states	Made by: Waqar Siddhu

Question No : 18 of 52	Marks: 1 (Budgeted Time 1 Min)
In, the $\overline{\mathbb{Q}}$ output of the last flip-flop of the shift register is connected to the data input of the firs	it flip-flop.
Answer (Please select your correct option)	VuAnswers.com
Moore machine	
Mealy machine	
Johnson counter COFFEC	
Ring counter	Made by: Waqar Siddhu

Question No : 19 of 52		Marks: 1 (Budgeted Time 1 Min)
In, the Q output of the last flip-flop of the	shift register is connected to the data input of the firs	t flip-flop of the shift register.
Answer (Please select your correct option)		VuAnswers.com
Moore machine		
Mealy machine		
Johnson counter		
Ring counter	correct	Made by: Wagar Siddhu

Question No: 20 of 52	Marks: 1 (Budgeted Time 1 Min)
Flip flops are also called	
Answer (Please select your correct option)	VuAnswers.com
Bi-stable dualvibrators	
Bi-stable transformer	
Bi-stable multivibrators	
	correct
C Bi-stable singlevibrators	Made by: Wagar Siddhu

Question No : 21 of 52	Marks: 1 (Budgeted Time 1 Min)
If S=1 and R=0, then Q(t+1) = for positive edge triggered flip-flop	
Answer (Please select your correct option)	VuAnswers.com
correct	
Invalid	
Input is invalid	Made by: Wagar Siddhu

Question No : 22 of 52	Marks: 1 (Budgeted Time 1 Min)
The operation of J-K flip-flop is similar to that of the SR flip-flop except that the J-K flip-flop	
Answer (Please select your correct option)	VuAnswers.com
C Doesn't have an invalid state	
Sets to clear when both J = 0 and K = 0	
It does not show transition on change in pulse	
It does not accept asynchronous inputs	Made by: Waqar Siddhu

Question No : 23 of 52	Marks: 1 (Budgeted Time 1 Min)
Flip-flops are obsolete now.	
Answer (Please select your correct option)	VuAnswers.com
Edge-triggered	
Master-Slave	
correct	
C T-Flip-flop	
C D-Flip-flop	Made by: Wagar Siddhu

Question No : 24 of 52	Marks: 1 (Budgeted Time 1 Min)
Bi-stable devices remain in either of their states unless the inputs force the device to switch its sta	te.
Answer (Please select your correct option)	VuAnswers.com
C Ten	
Eight	
Three	
Two Correct	Made by: Wagar Siddhu

Question No: 25 of 52	Marks: 1 (Budgeted Time 1 Min)
The counter states can be determined by the formula: ("n" represents the total number of flip-flops).	
Answer (Please select your correct option) VuAnswer	rs.com
C n² (n raise to power 2)	
C n²-1 (n raise to power 2 and then minus 1)	
2 ⁿ (2 raise to power n)	
correct	
2 ⁿ -1 (2 raise to power n and then minus 1)	
'YY)aae by:	Waqar Siddhi

Question No : 26 of 52		Marks: 1 (Budgeted Time 1 Min)
RCO Stands for		
Answer (Please select your correct option)		VuAnswers.com
Reconfiguration Counter Output		
Reconfiguration Clock Output		
Ripple Counter Output		
Ripple Clock Output	correct	Made by: Wagar Siddhu

Question No : 27 of 52		Marks: 1 (Budgeted Time 1 Min)
The Sequential circuit, whose output is detern	nined by the current state only is known as	
Answer (Please select your correct option)		VuAnswers.com
Moore Machine	correct	
Mealy Machine		
Counter		
Flip Flop		Made by: Wagar Siddhu

Question No : 28 of 52		Marks: 1 (Budgeted Time 1 Min)
A GAL is essentially a		
Answer (Please select your correct option)		VuAnswers.com
Non-reprogrammable PAL		
PAL that is programmed only by the manufacturer		
Reprogrammable PAL	correct	
Reprogrammable PAL		Made by: Waqar Siddhu

Qı	uestion No : 29 of 52	Marks: 1 (Budgeted Time 1 Min)	
	he output of this circuit is always +Vcc		
Ar	nswer (Please select your correct option)	VuAnswers.com	
	0		
9	Correct		
3		Made by: Wagar Siddh	C,





Question No : 32 of 52		Marks: 1 (Budgeted Time 1 Min)
Smallest unit of binary data is a		
Answer (Please select your correct option)		VuAnswers.com
C Bit	correct	
Nibble C		
Byte		
Word		Made by: Wagar Siddhu

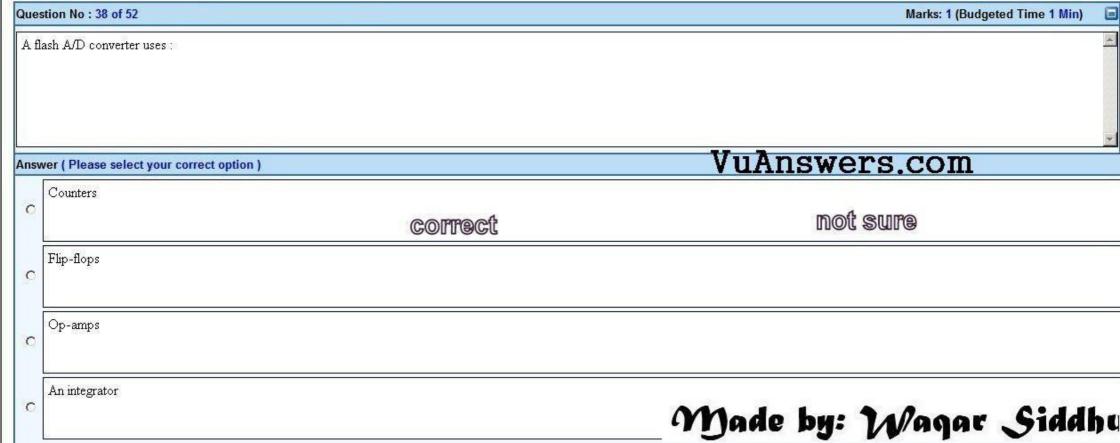
Question No : 33 of 52	Marks: 1 (Budgeted Time 1 Min)	
The of a ROM is the time it takes for the data to appear at the Data Output of the ROM chip after an address is applied at the address input lines		
Answer (Please select your correct option)	VuAnswers.com	
C Write Time		
Refresh Time		
Refresh Time		
Access Time COFFECT	Made by: Waqar Siddhu	

Question No : 34 of 52	Marks: 1 (Budgeted Time 1 Min)
In, all the columns in the same row are either read or written.	
Answer (Please select your correct option)	VuAnswers.com
Sequential Access	
MOS Access	
FAST Mode Page Access	
COIT	rect
None of given options	Made by: Waqar Siddhu

Question No : 35 of 52		Marks: 1 (Budgeted Time 1 Min)
FIFO is an acronym for		
Answer (Please select your correct option)		VuAnswers.com
First In, First Out	correct	
Fly in, Fly Out		
Fast in, Fast Out		
None of given options		Made by: Wagar Siddhu

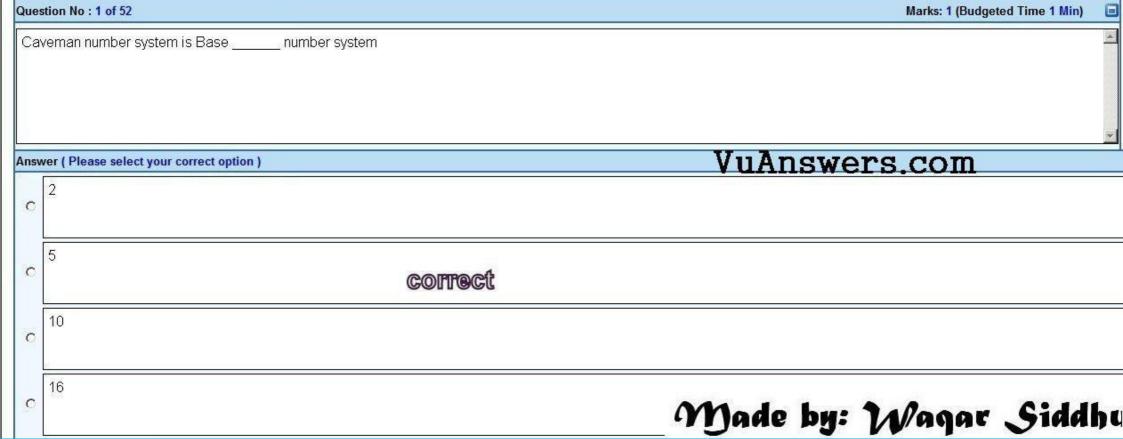
Question No : 36 of 52	Marks: 1 (Budgeted Time 1 Min)
If the FIFO Memory output is already filled with data then	
Answer (Please select your correct option)	VuAnswers.com
It is locked; no data is allowed to enter	
It is not locked; the new data overwrites the previous data.	
Previous data is swapped out of memory and new data enters	correct
None of given options	Made by: Wagar Siddhu

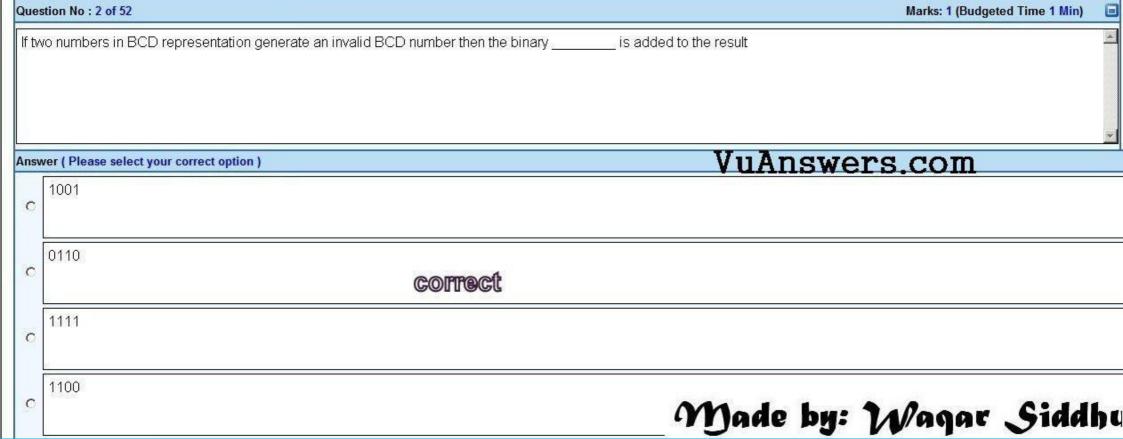
Question No : 37 of 52	Marks: 1 (Budgeted Time 1 Min)	0
Stack is a		
Answer (Please select your correct option)	VuAnswers.com	
Bust Flash Memory		
FIFO memory		
LIFO memory		
C	correct	
Flash Memory	Made by: Wagar Siddl	hu



Question No : 39 of 52		Marks: 1 (Budgeted Time 1 Min)
LUT is an acronym for		
		<u>*</u>
Answer (Please select	your correct option)	VuAnswers.com
Look Up Table		
	correct	
Local User Termin	nal	
Least Upper Time	-T-3-4	
C Least Opper Time	: геноц	
None of given opti	tions	
		Made by: Wagar Siddhu



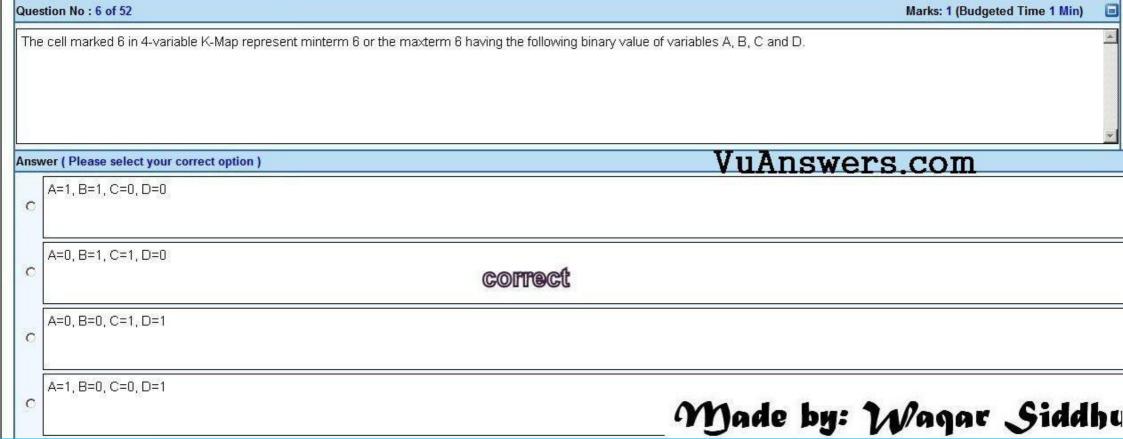




Question No : 3 of 52	Marks: 1 (Budgeted Time 1 Min)
The Gray code is different from the unsigned binary code because	
Answer (Please select your correct option)	VuAnswers.com
Successive values of Gray code differ by only one bit	correct
Gray Code is positional code	
Gray Code does not support negative values	
Gray Code ranges from "0" to "9"	Made by: Wagar Siddhu

Question No: 4 of 52	Marks: 1 (Budgeted Time 1 Min)
"74ALS" stands for	
Answer (Please select your correct option)	VuAnswers.com
Advanced Low-frequency Schottky TTL	T GITTISWET S.COIII
Advanced Low-dissipation Schottky TTL	
Advanced Low-Power Schottky TTL	a a manach
	correct
Advanced Low-propagation Schottky TTL	Made by: Wagar Siddhu

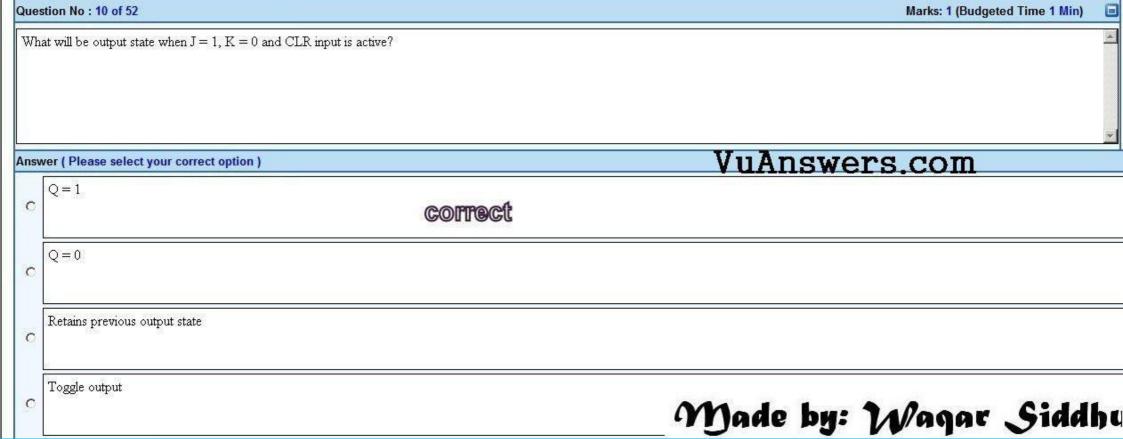
Question No : 5 of 52	Marks: 1 (Budgeted Time 1 Min)
The 3-variable Karnaugh Map (K-Map) has cells for min or max terms	
Answer (Please select your correct option)	VuAnswers.com
c 4	
8	
correct	t e
c 12	
16	
	Made by: Wagar Siddhe



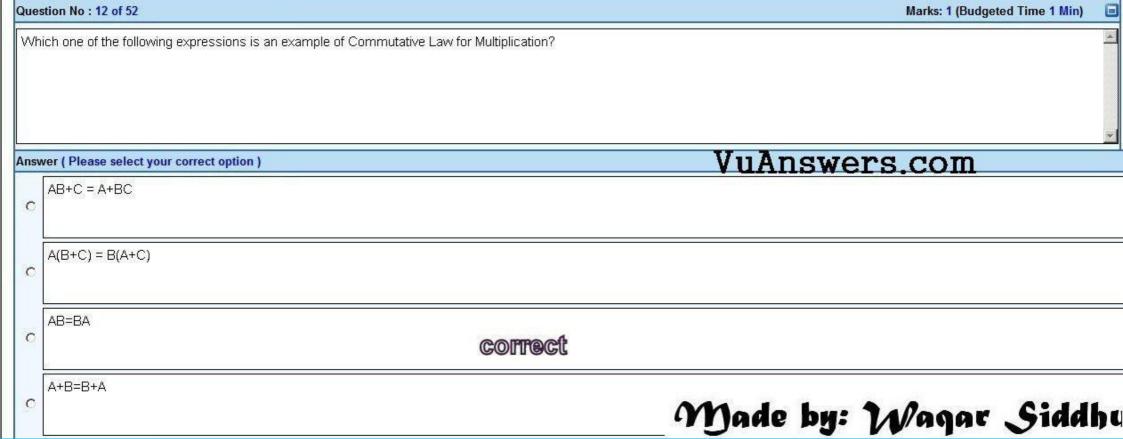


Question No : 8 of 52	Marks: 1 (Budgeted Time 1 Min)
In a sequential circuit the next state is determined by and	
Answer (Please select your correct option)	VuAnswers.com
State variable, current state	
Current state, flip-flop output	
Current state and external input	correct
Input and clock signal applied	
C Input and clock signal applied	Made by: Wagar Siddhu









Que	estion No : 13 of 52	Marks: 1 (Budgeted Time 1 Min)
The	e binary values for the standard SOP expression, ABCD + ĀBCD + ĀBCD are	
Ansv	wer (Please select your correct option)	VuAnswers.com
c	1110 + 0110 + 0001 COFF	
С	1011 + 1111 + 1011	
С	0001 + 1001 + 1110	
С	1010 + 1110 + 0101	Made by: Wagar Siddho

Question No : 14 of 52		Marks: 1 (Budgeted Time 1 Min)
The design and implementation of synchronous counters start from		
Answer (Please select your correct option)		VuAnswers.com
Truth table		
C K-map		
State table		
State diagram	correct	Made by: Wagar Siddhu

Que	estion No : 15 of 52	Marks: 1 (Budgeted Time 1 Min)
In a	a state diagram, the transition from a current state to the next state is determined by and	
Ansv	wer (Please select your correct option)	VuAnswers.com
c	Current state, inputs	
o	Current state, outputs	
c	Previous state, inputs	
c	Previous state, outputs	Made by: Wagar Siddho





Question No : 18 of 52	Marks: 1 (Budgeted Time 1 Min)
Flip flops are also called	
Answer (Please select your correct option)	VuAnswers.com
Bi-stable dualvibrators	
Bi-stable transformer	
Bi-stable multivibrators	correct
Bi-stable singlevibrators	Made by: Wagar Siddhu



Question No : 20 of 52	Marks: 1 (Budgeted Time 1 Min)
The operation of J-K flip-flop is similar to that of the SR flip-flop except that the J-K flip	p-flop
Answer (Please select your correct option)	VuAnswers.com
Doesn't have an invalid state	correct
Sets to clear when both $J = 0$ and $K = 0$	5 69 54 mag 25 41369
It does not show transition on change in pulse	
It does not accept asynchronous inputs	Made by: Wagar Siddhu

Question No : 21 of 52	Marks: 1 (Budgeted Time 1 Min)
The minimum time for which the input signal has to be maintained at the input of flip-flop is called of the flip-flop	D
Answer (Please select your correct option)	VuAnswers.com
Set-up time	
Pulse Stability time (PST)	
Hold time	
correct	
Pulse Interval time	Made by: Wagar Siddhe

Question No :	: 22 of 52	Marks: 1 (Budgeted Time 1 Min)
The	input overrides the input	
Answer (Plea	ase select your correct option)	VuAnswers.com
Asynchi	ronous, synchronous	correct
Synchro	onous, asynchronous	
Preset in	input (PRE), clear input (CLR)	
Clear in	nput (CLR), preset input (PRE)	Made by: Wagar Siddhu



Question No : 24 of 52	Marks: 1 (Budgeted Time 1 Min)
The hours counter is implemented using	
	▼
Answer (Please select your correct option)	VuAnswers.com
Mod-10 and Mod-2 counters	
A single decade counter and a flip-flop	
c	correct
Only a single Mod-12 counter is required	
Mod-10 and Mod-6 counters	Made by: Wagar Siddho

Question No : 25 of 52	Marks: 1 (Budgeted Time 1 Min)
State Machine is a generic name given to	
Answer (Please select your correct option)	VuAnswers.com
Sequential circuits	
	correct
Combinational circuits	
Flip-flops	
Counters	Made by: Wagar Siddhu

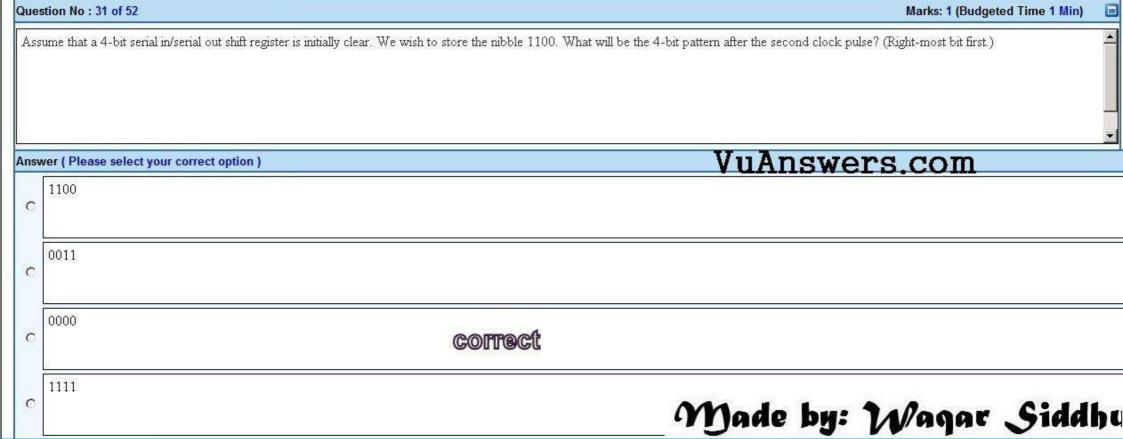
Question I	No : 26 of 52	Marks: 1 (Budgeted Time 1 Min)
	is used to simplify the circuit that determines the next state.	
Answer (I	Please select your correct option)	VuAnswers.com
State	e diagram	
Nex	t state table	
State	e reduction	
State	e assignment COFFO	Made by: Wagar Siddhu

Question No : 27 of 52	Marks: 1 (Budgeted Time 1 Min)
The alternate solution for a demultiplexer-register combination circuit is	
Answer (Please select your correct option)	VuAnswers.com
Parallel in / Serial out shift register	
Serial in / Parallel out shift register	correct
Parallel in / Parallel out shift register	
Serial in / Serial Out shift register	Made by: Wagar Siddho

Question No : 28 of 52	Marks: 1 (Budgeted Time 1 Min)
In the following statement Z PIN 20 ISTYPE 'reg.invert'; The keyword "reg.invert" indicates	
Answer (Please select your correct option)	VuAnswers.com
An inverted register input	
An inverted register input at pin 20	
Active-high Registered Mode output	
Active-low Registered Mode output	correct Made by: Wagar Siddhu

Question No : 29 of 52	Marks: 1 (Budgeted Time 1 Min	1) 🖃
A GAL is essentially a		A
Answer (Please select your correct option)	VuAnswers.com	₽
Non-reprogrammable PAL		
PAL that is programmed only by the manufacturer		
Reprogrammable PAL	correct	
Reprogrammable PAL	Made by: Wagar Side	dha







Question No : 33 of 52		Marks: 1 (Budgeted Time 1 Min)
The address, from which the data is read, is provided by		
Answer (Please select your correct option)		VuAnswers.com
Depends on circuitry		
None of given options		
CRAM		
Microprocessor	correct	Made by: Wagar Siddho

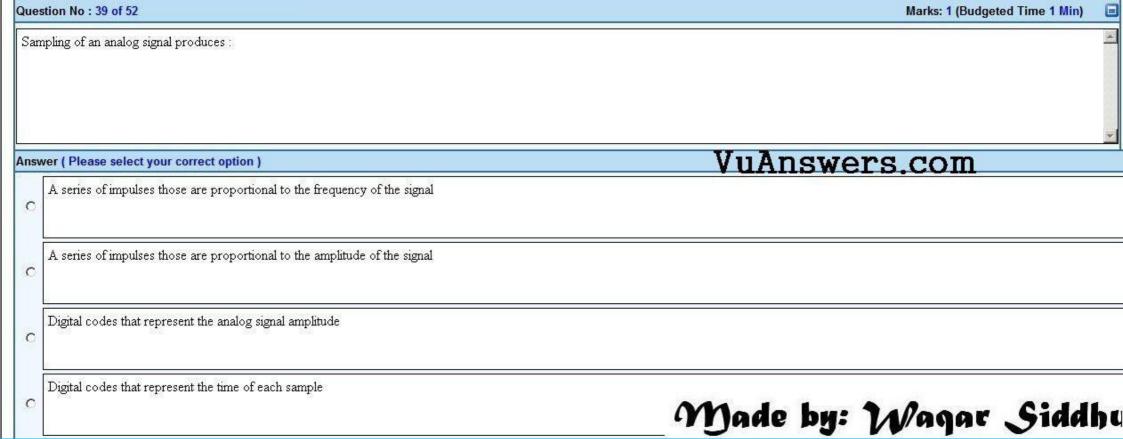
Question No : 34 of 52	Marks: 1 (Budgeted Time 1 Min)
FIFO is an acronym for	
Answer (Please select your correct option)	VuAnswers.com
First In, First Out	correct
Fly in, Fly Out	
Fast in, Fast Out	
None of given options	Made by: Wagar Siddho

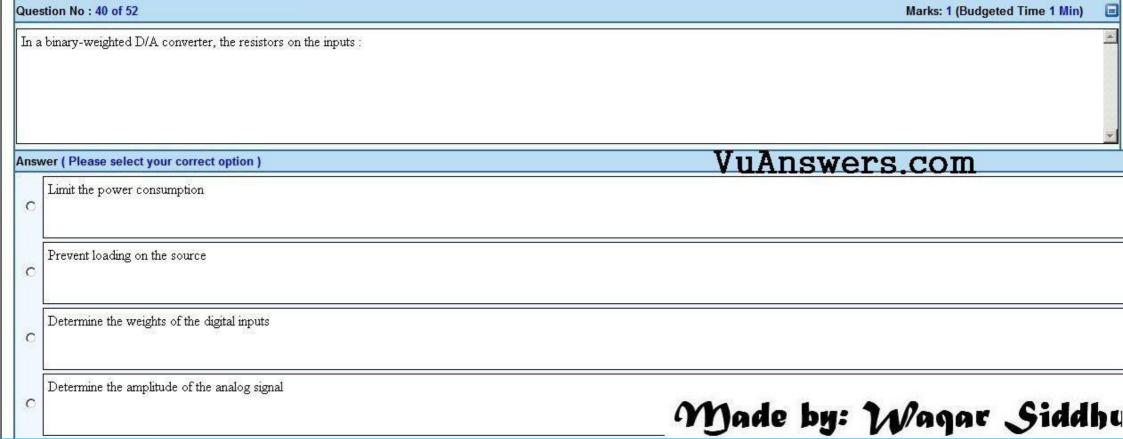
Question No : 35 of 52	Marks: 1 (Budgeted Time 1 Min)
In order to synchronize two devices that consume and produce data at different rates, we can use	
Answer (Please select your correct option)	VuAnswers.com
Read Only Memory	
First In First Out Memory	ect
Flash Memory	
Fast Page Access Mode Memory	Made by: Wagar Siddhu

Question No : 36 of 5	52	Marks: 1 (Budgeted Time 1 Min)
If the FIFO Memory	y output is already filled with data then	
Answer (Please sele	ect your correct option)	VuAnswers.com
It is locked; no	data is allowed to enter	
It is not locked;	; the new data overwrites the previous data.	
Previous data is	s swapped out of memory and new data enters	
None of given of	options COFFE	t Made by: Waqar Siddhu

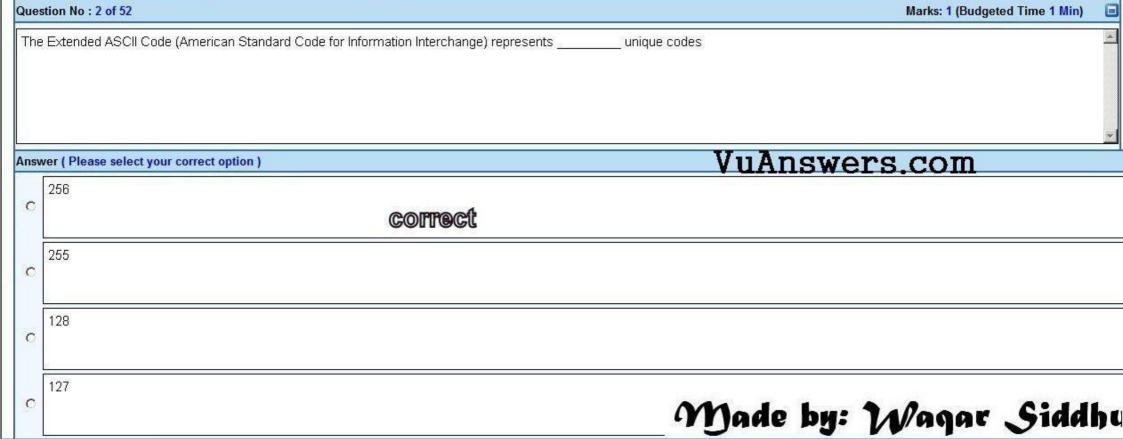


Question No : 38 of 52	Marks: 1 (Budgeted Time 1 Min)
The process of converting the analogue signal into a digital representation (code) is known as	
Answer (Please select your correct option)	VuAnswers.com
Strobing	
Amplification	
Quantization	
COPT	ect
Digitization	Made by: Wagar Siddhu

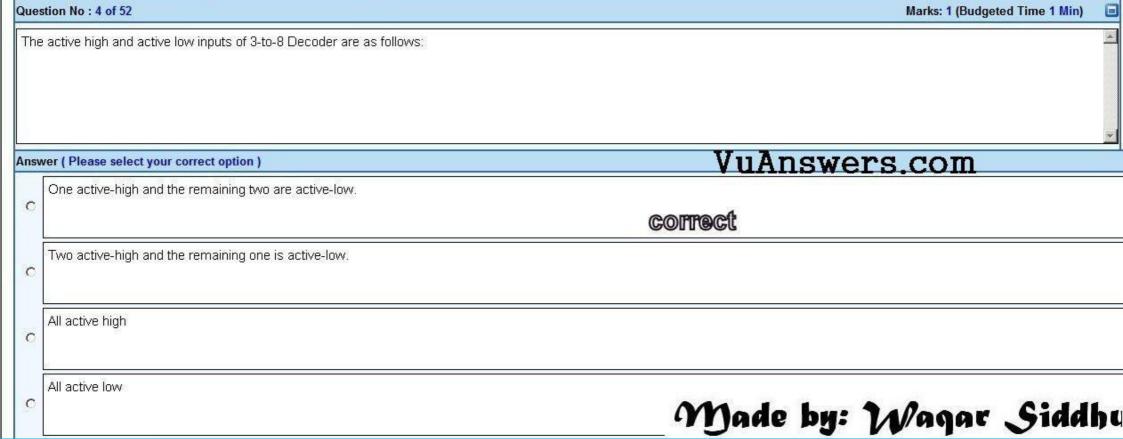








Question No : 3 of 52	Marks: 1 (Budgeted Time 1 Min)
The 3-variable Karnaugh Map (K-Map) has cells for min or max terms	
Answer (Please select your correct option)	VuAnswers.com
c 4	
8	
12	
COFFECT	Made by: Wagar Siddhu



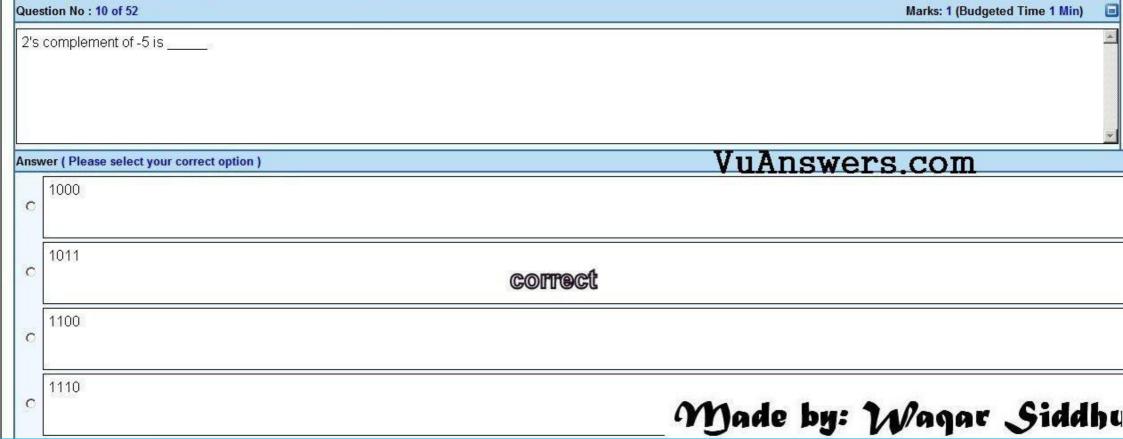
Question No : 5 of 52	Marks: 1 (Budgeted Time 1 Min)
Two 2-input, 4-bit multiplexers 74X157 can be connected to implement a multiplexer.	
Answer (Please select your correct option)	VuAnswers.com
2-input, 4-bit	
4-input, 8-bit	
4-input, 16-bit	
2-input, 8-bit	Made by: Wagar Siddho

Question No : 6 of 52	Marks: 1 (Budgeted Time 1 Min)
GAL is an acronym for	
Answer (Please select your correct option)	VuAnswers.com
Generic Analysis Logic	
Giant Array Logic	
General Array Logic	
Generic Array Logic	correct Made by: Wagar Siddhe

Ques	stion No : 7 of 52	Marks: 1 (Budgeted Time 1 Min)
74H	IC163 has two enable input pins which are and	
Answ	ver (Please select your correct option)	VuAnswers.com
c	ENP, ENT COFFECT	
c	ENI, ENC	
c	ENP, ENC	
C	ENT, ENI	Made by: Wagar Siddhu

Question	n No : 8 of 52	Marks: 1 (Budgeted Time 1 Min)
A.(B+	C) = A.B + A.C is an expression of	
Answer	(Please select your correct option)	VuAnswers.com
C De	emorgan's Law	V UIIIDWCLD.COM
C	ommutative Law	
C Di	istributive Law	
C As	ssociative Law	Made by: Wagar Siddho



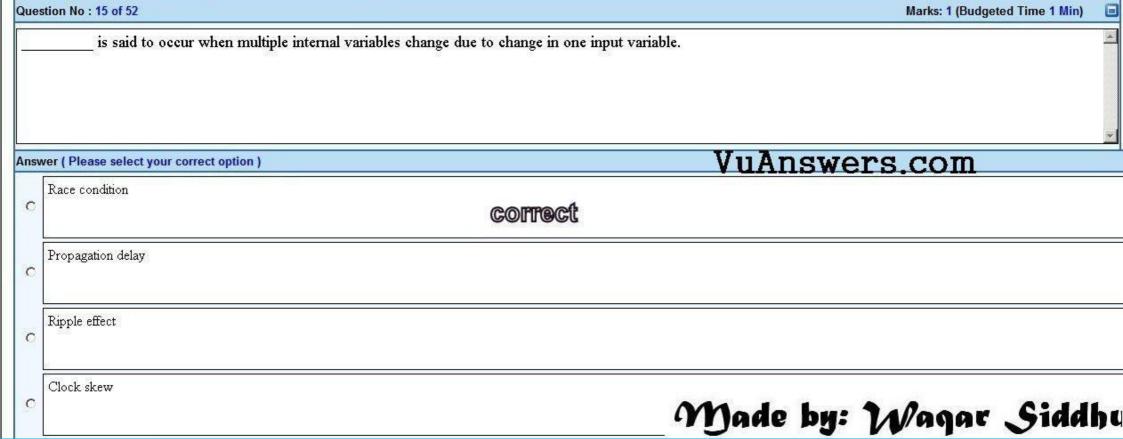








Que	estion No : 14 of 52	Marks: 1 (Budgeted Time 1 Min)
	counters as the name indicates are not triggered simultaneously.	
Ans	wer (Please select your correct option)	VuAnswers.com
c	Synchronous	
c	Asynchronous	ect
c	Positive-Edge triggered	
C	Negative-Edge triggered	Made by: Wagar Siddhu





Question No : 17 of 52	Marks: 1 (Budgeted Time 1 Min)
The Sequential circuit whose output depends on the current state and the input is known as	
Answer (Please select your correct option)	VuAnswers.com
Moore Machine	
Mealy Machine	
correct	
Counter	
Flip Flop	Made by: Wagar Siddho





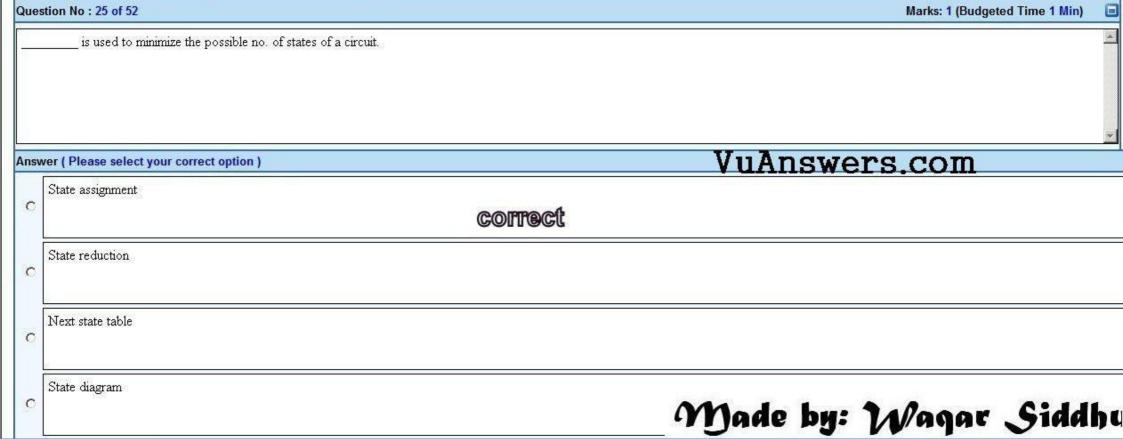
Que	estion No: 20 of 52	Marks: 1 (Budgeted Time 1 Min)
The	e minimum time required for the input logic levels to remain stable before the clock transition occurs is known as the	
Ansı	wer (Please select your correct option) VuAnswe]	rs.com
c	Pulse Stability time (PST)	
0	Set-up time	
	correct	
c	Hold time	
c	Pulse Interval time Made by:	Waqar Siddha

Question No : 21 of 52	Marks: 1 (Budgeted Time 1 Min)
RCO Stands for	
Answer (Please select your correct option)	VuAnswers.com
Reconfiguration Counter Output	
Reconfiguration Clock Output	
Ripple Counter Output	
Ripple Clock Output	correct Made by: Wagar Siddh

Question No : 22 of 52	Marks: 1 (Budgeted Time 1 Min)
We have a digital circuit. Different parts of circuit operate help by using	different clock frequencies (4MHZ, 2MHZ and 1MHZ), but we have a single clock source having a fix clock frequency (4MHZ), we can ge
Answer (Please select your correct option)	VuAnswers.com
T-Flop-Flop	V UMITSWELS, COII
S-R Flop-Flop	
C D-Flop-Flop	
J-K Flop-Flop	correct Made by: Wagar Siddl

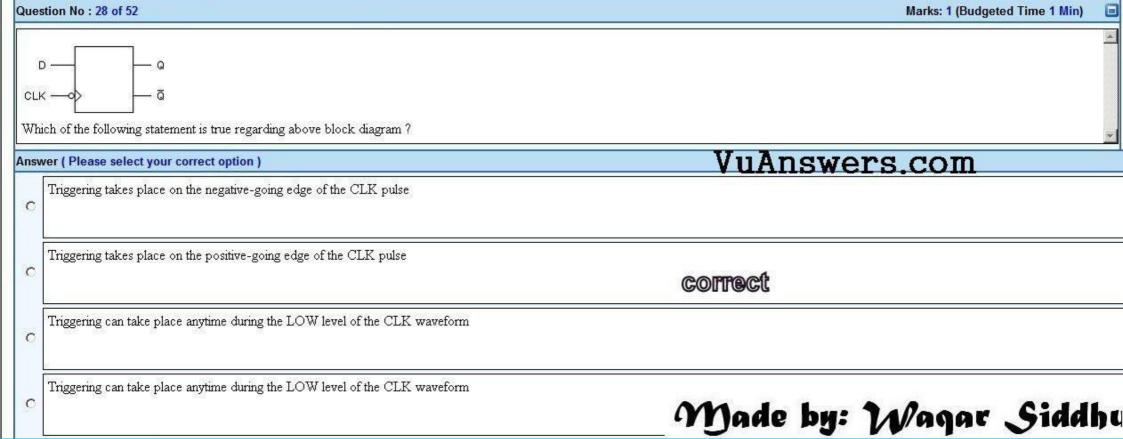
Question No : 23 of 52	Marks: 1 (Budgeted Time 1 Min)
The Sequential circuit, whose output is determined by the current state only is known as	
Answer (Please select your correct option)	VuAnswers.com
Moore Machine	orrect
Mealy Machine	
Counter	
Flip Flop	Made by: Wagar Siddho

Question No : 24 of 52	Marks: 1 (Budgeted Time 1 Min)
State Machine is a generic name given to	
Answer (Please select your correct option)	VuAnswers.com
Sequential circuits	
	correct
Combinational circuits	
Flip-flops	
Counters	Made by: Wagar Siddhu

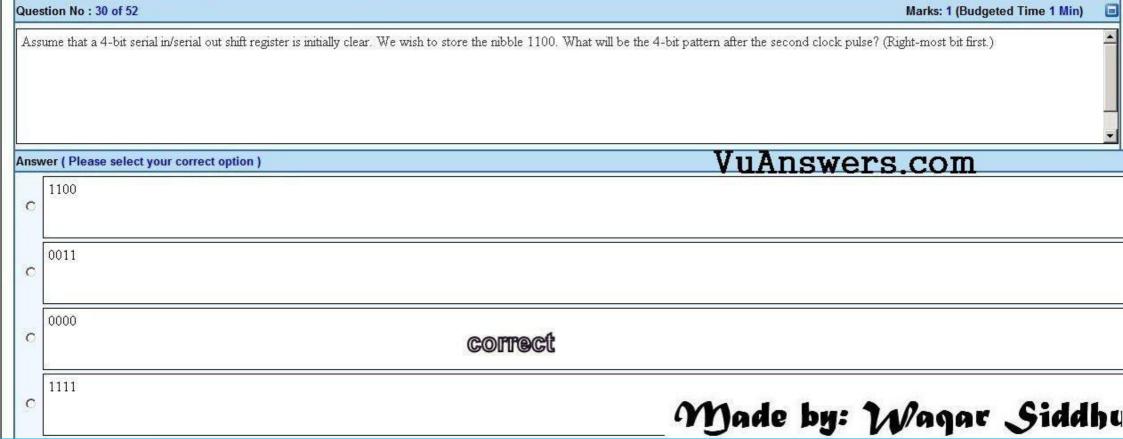


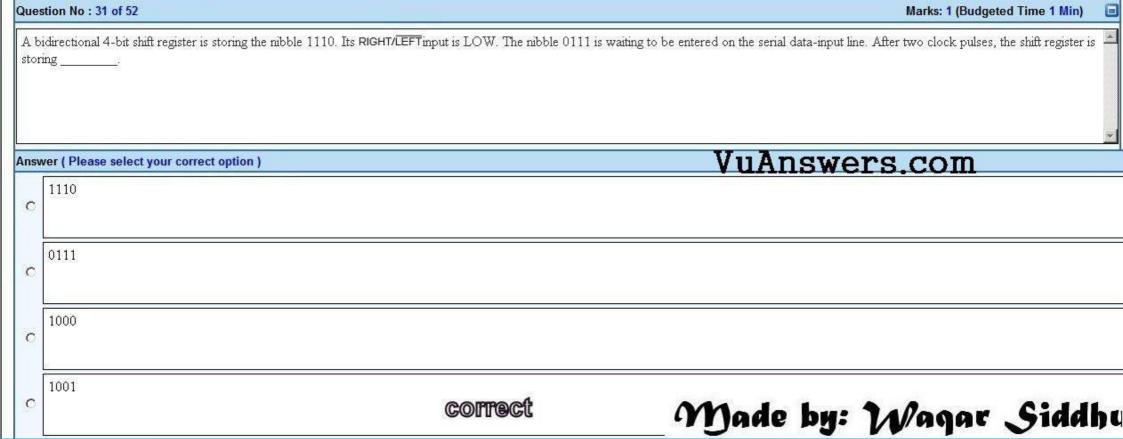
Question	n No : 26 of 52	Marks: 1 (Budgeted Time 1 Min)
	is used to simplify the circuit that determines the next state.	
Answer ((Please select your correct option)	VuAnswers.com
Sta	ate diagram	
Ne	ext state table	
Sta	ate reduction	
Sta	ate assignment	orrect Made by: Wagar Siddhu

	Question No: 27 of 52	Marks: 1 (Budgeted Time 1 Min)	
	The output of this circuit is always		•
	A + 15 > - Y		2.53
	Answer (Please select your correct option)	Vii Angriong gom	•
ľ	Answer (Please select your correct option)	VuAnswers.com	
	0		
	CA	correct	
	CA	Made by: Wagar Siddl	h e
-1		- Dane ba. Madae Annu	1



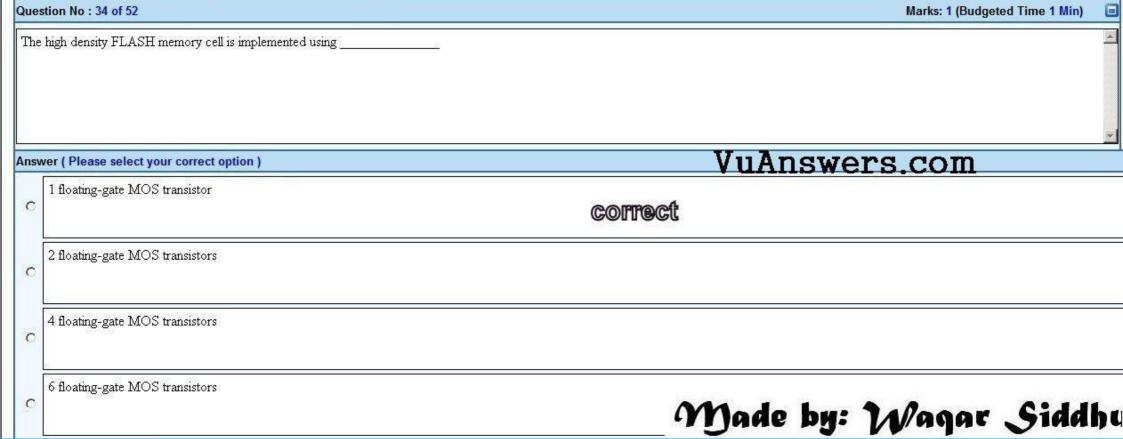






Question No : 32 of 52	Marks: 1 (Budgeted Time 1 Min)
Smallest unit of binary data is a	
Answer (Please select your correct option)	VuAnswers.com
Bit	ect
Nibble Nibble	
Byte	
Word	Made by: Wagar Siddhu

	Marks: 1 (Budgeted Time 1 Min)
r at the Data aput lines	
	VuAnswers.com
	V UAIISWEES.COIII
correct	Made by: Wagar Siddho

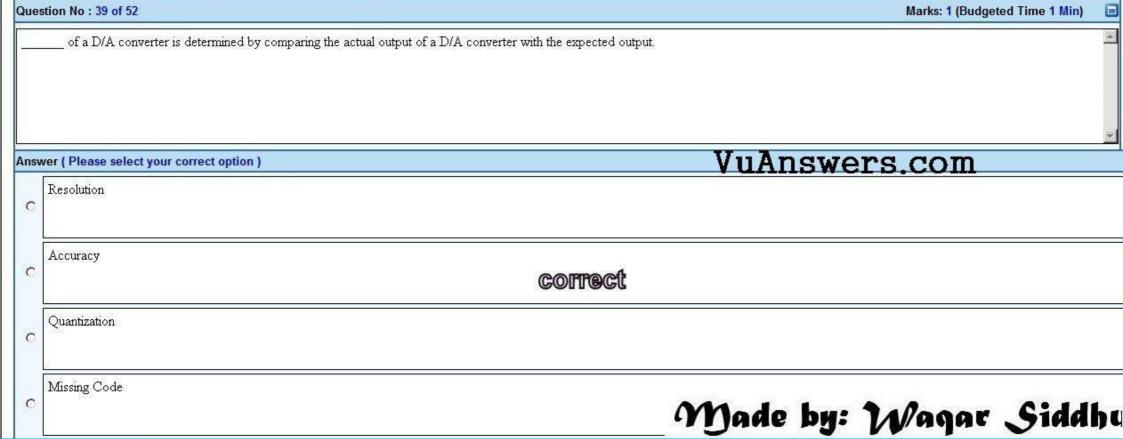


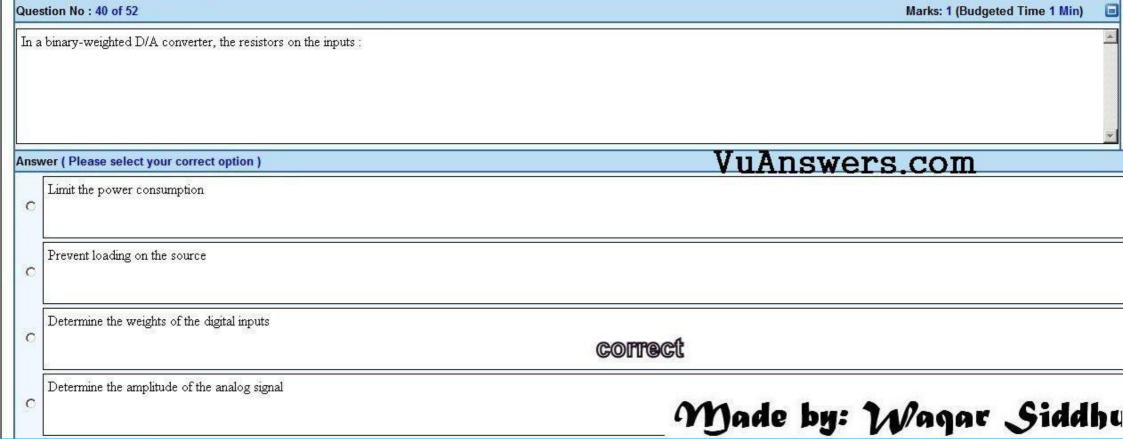
Question No : 35 of 52	Marks: 1 (Budgeted Time 1 Min)
The total amount of memory that is supported by any digital system depends upo	
Answer (Please select your correct option)	VuAnswers.com
The size of the address bus of the microprocessor	correct
The organization of memory	
The structure of memory	
The size of decoding unit	Made by: Wagar Siddhe

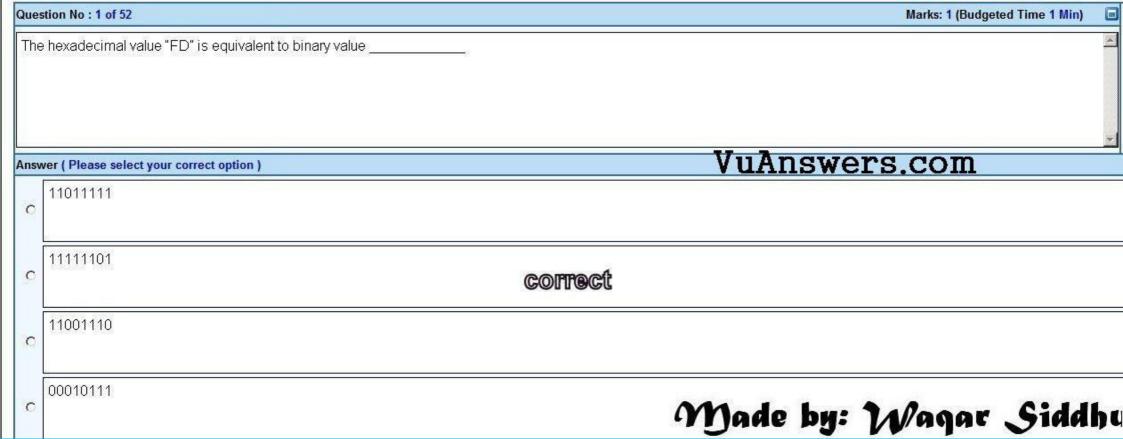


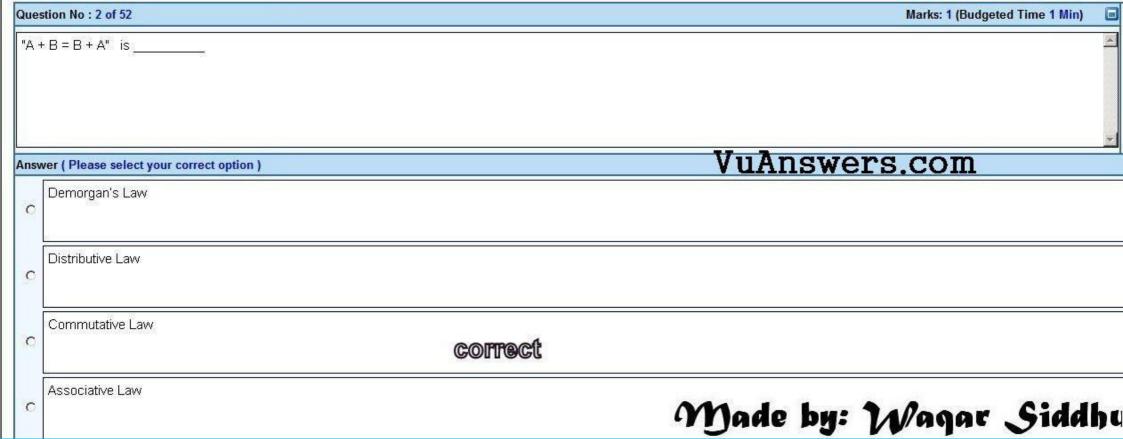
Question No : 37 of 52	Marks: 1 (Budgeted Time 1 Min)
The process of converting the analogue signal into a digital representation (code) is known as	
Answer (Please select your correct option)	VuAnswers.com
Strobing	
Amplification	
Quantization	
Digitization	Made by: Wagar Siddhe

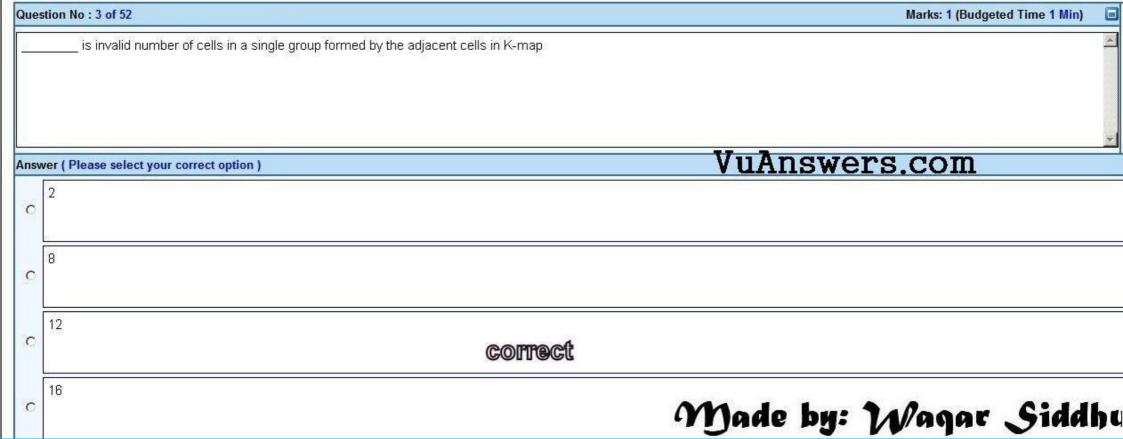








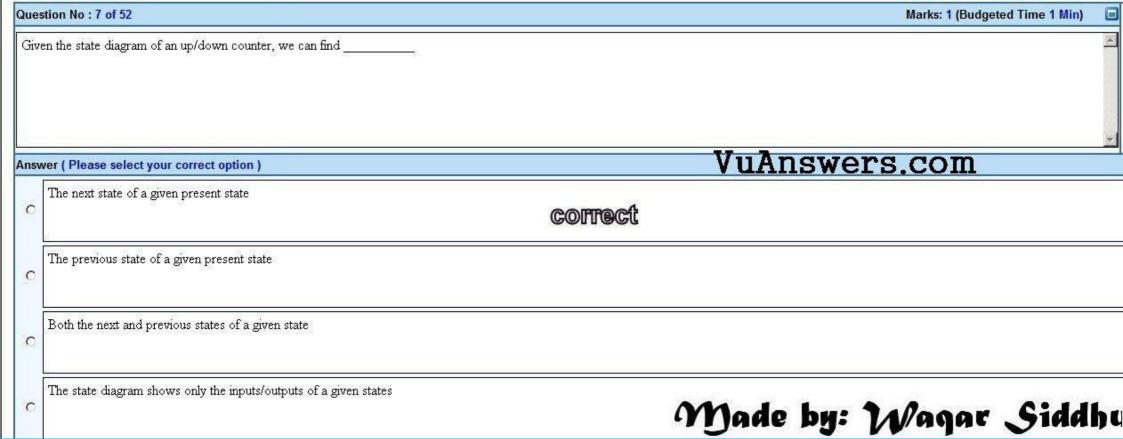


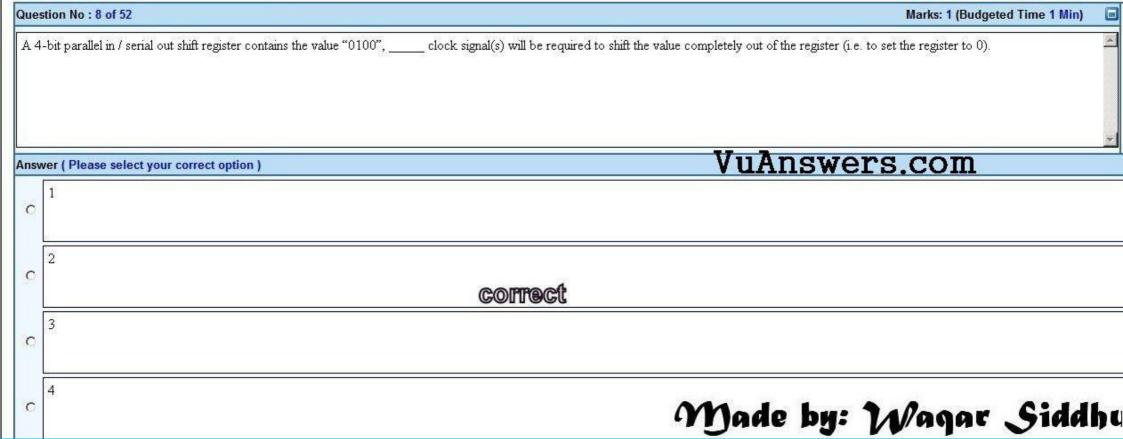


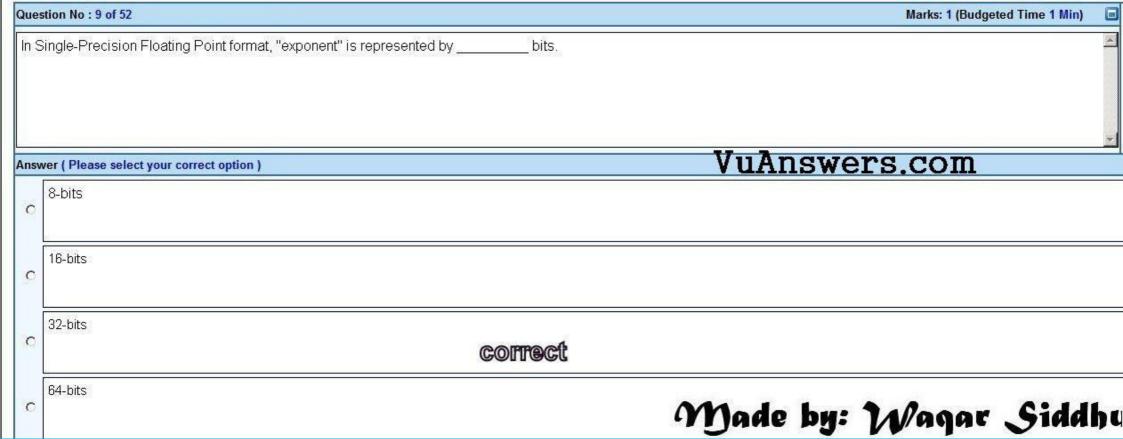
Question No: 4 of 52		Marks: 1	(Budgeted Time 1 Min)
The Encoder is used as a keypad encoder.			
Answer (Please select your correct option)		VuAnswers.co	m.
C 2-to-8 encoder			
4-to-16 encoder			
BCD-to-Decimal			
Decimal-to-BCD Priority	correct	Made by: Waq	ar Siddhu

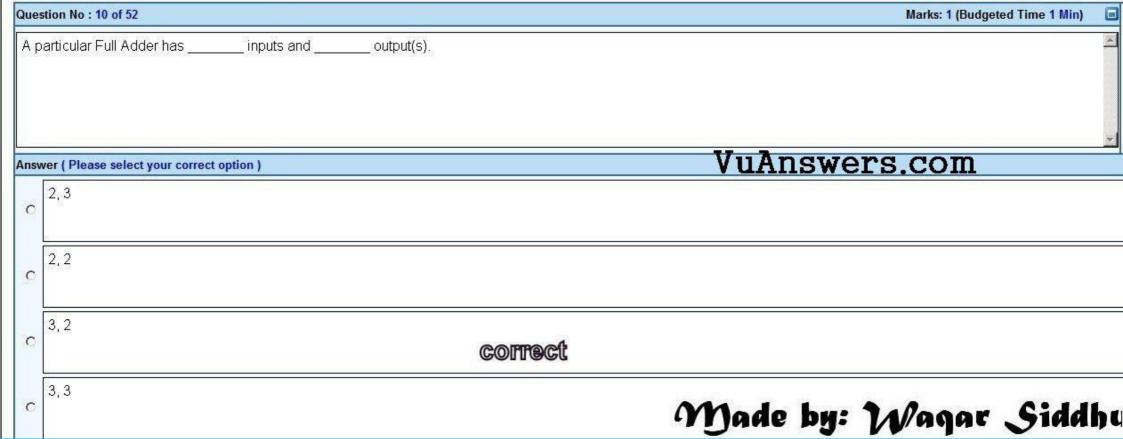
Question No : 5 of 52		Marks: 1 (Budgeted Time 1 Min)
The Programmable Array Logic (PAL) has	AND array and a OR	array
Answer (Please select your correct option)		VuAnswers.com
Fixed, programmable		
Programmable, fixed	COFFE	ct
Fixed, fixed		
Programmable, programmable		Made by: Wagar Siddho

Qı	uestion No : 6 of 52	Marks: 1 (Budgeted Time 1 Min)
7.	74HC163 has two enable input pins which are and	
An	nswer (Please select your correct option)	VuAnswers.com
ć	ENP, ENT COFFECT	
(eni, enc	
ď	ENP, ENC	
c	ENT, ENI	Made by: Wagar Siddhu

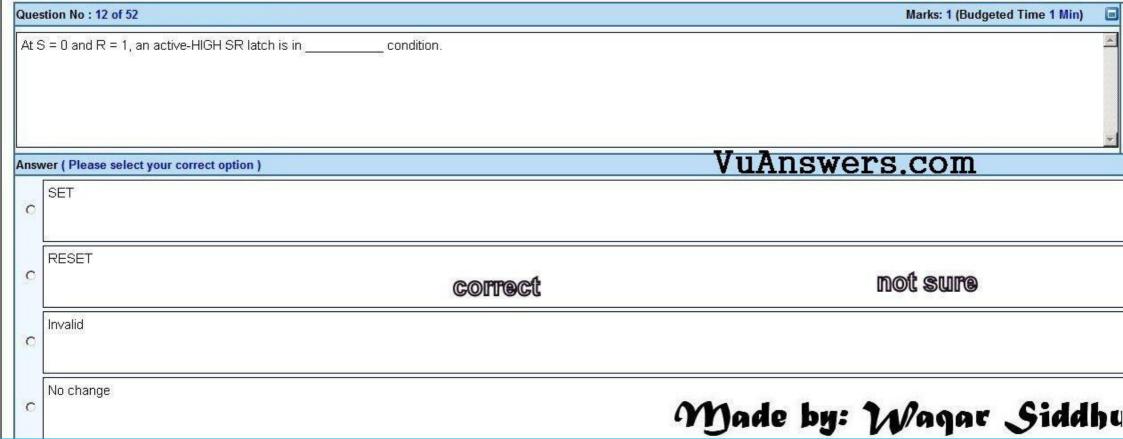


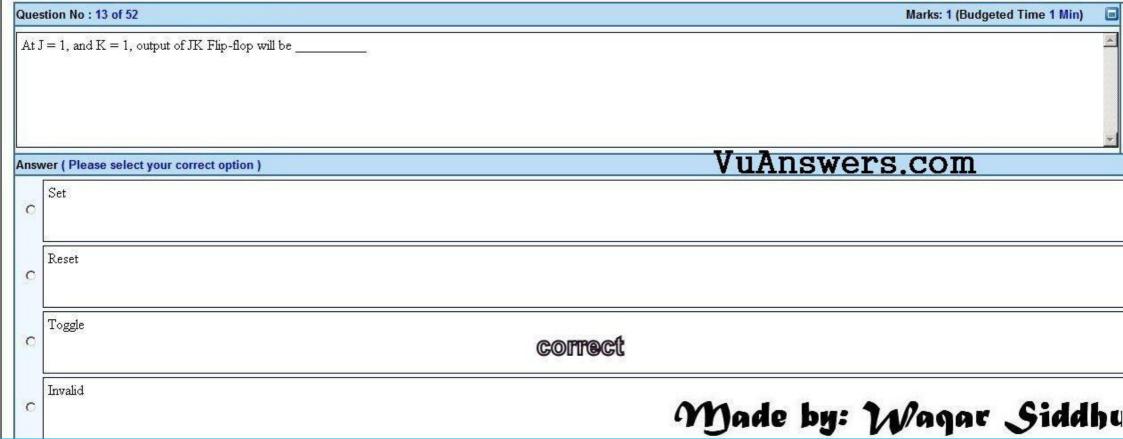


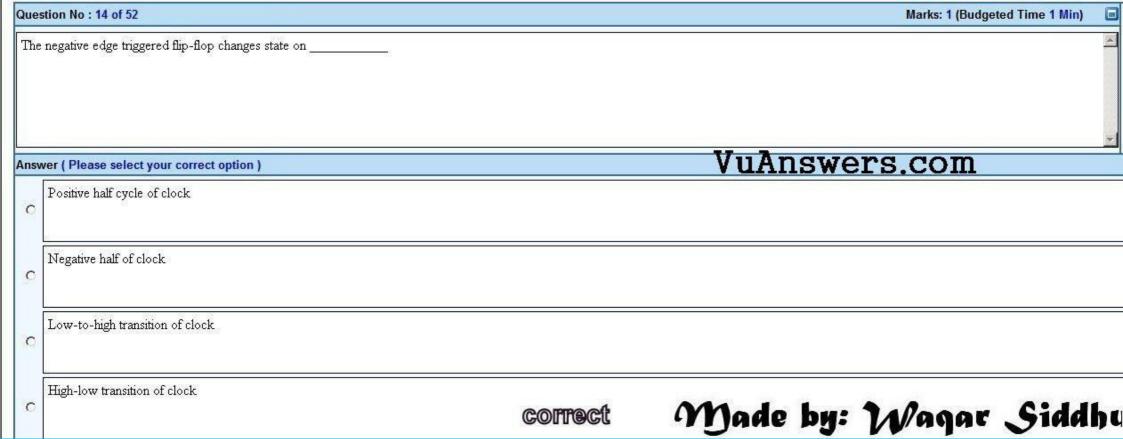


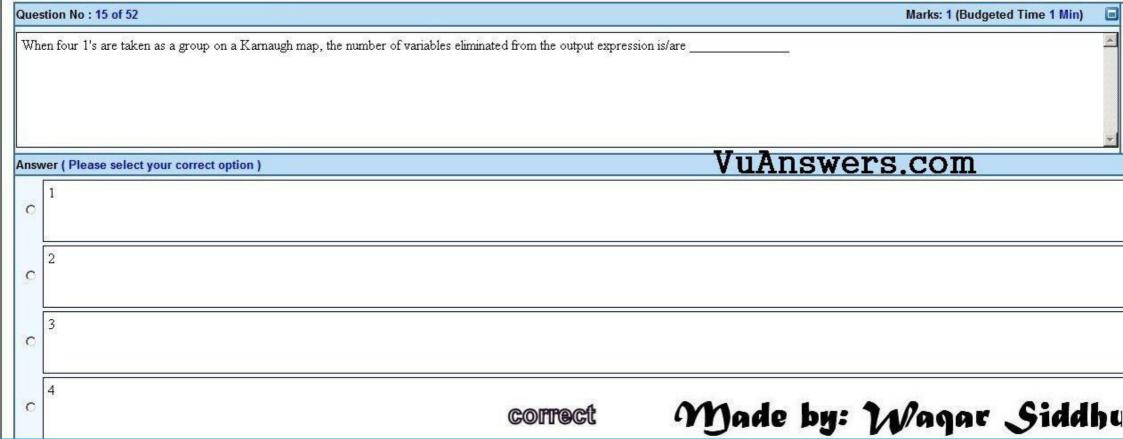


Question No : 11 of 52			Marks: 1 (Budgeted Time 1 Min)
Programmable Array Logic (PAL) has	input(s) and	output(s).	
Answer (Please select your correct option)			VuAnswers.com
Single, multiple			
Multiple, single			
Single, single			
Multiple, multiple		correct	Made by: Wagar Siddh







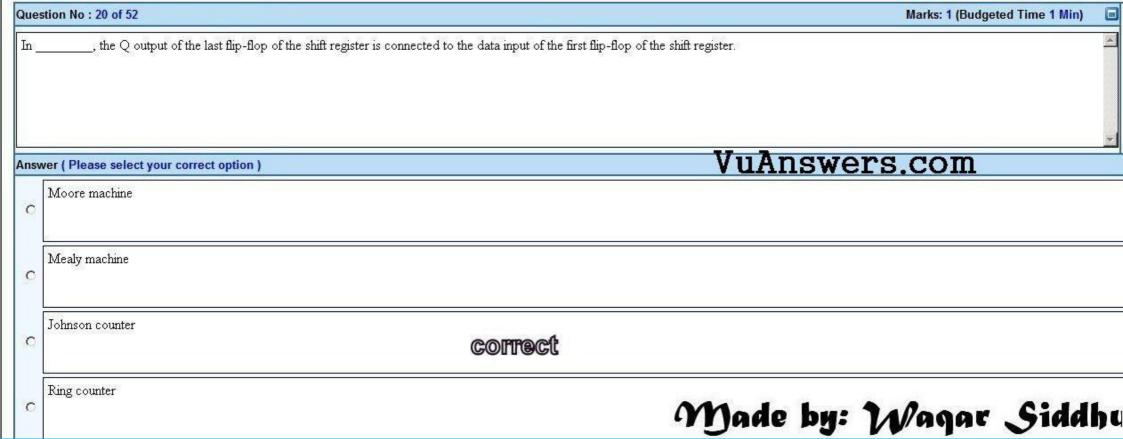


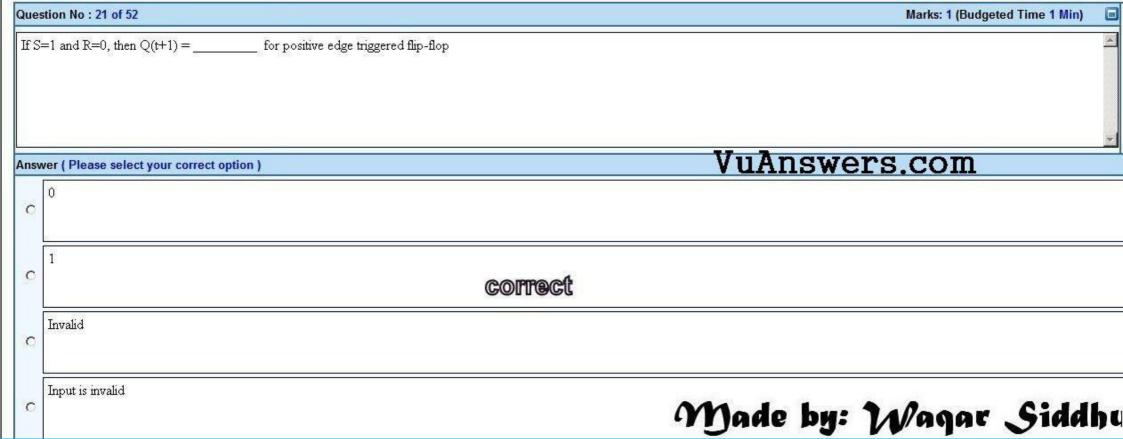
Que	uestion No : 16 of 52	Marks: 1 (Budgeted Time 1 Min)
Th	The output of first 74HC163 counter is connected to and inputs of other 74HC163 counter to form a sing	le cascaded counter
Ans	nswer (Please select your correct option)	Answers.com
c	RCO, ENT, ENP COFFECT	
C	ENT, RCO, ENP	
С	ENP, RCO, ENT	
С	RCO, ENI, ENC	le by: Waqar Siddhu

Que	stion No : 17 of 52	Marks: 1 (Budgeted Time 1 Min)
The	design and implementation of synchronous counters start from	
Ansv	wer (Please select your correct option)	VuAnswers.com
c	Truth table	
c	K-map	
C	State table	
С	State diagram COFFECT	Made by: Wagar Siddho

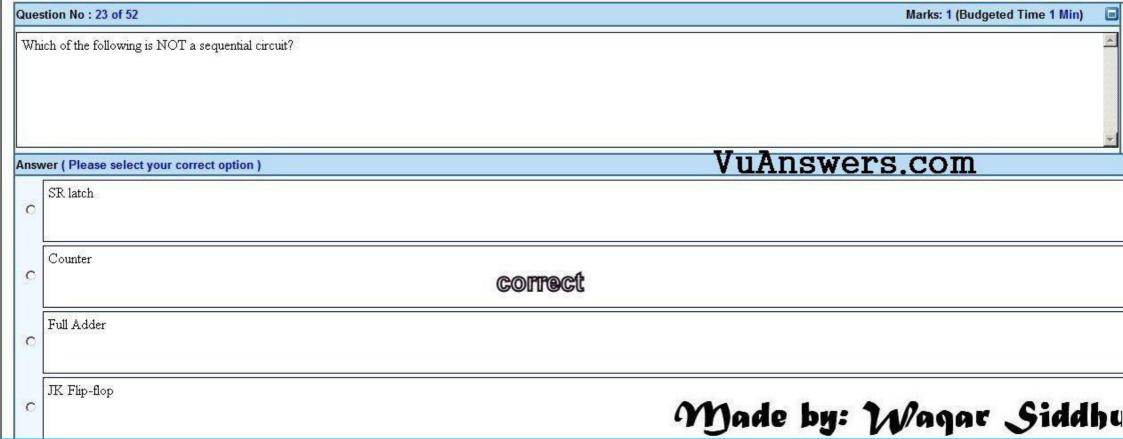
Que	stion No : 18 of 52	Marks: 1 (Budgeted Time 1 Min)
The	best state assignment tends to	
Ansv	wer (Please select your correct option)	VuAnswers.com
c	Maximizes the number of state variables that don't change in a group of related states	correct
C	Minimizes the number of state variables that don't change in a group of related states	
c	Minimizes the equivalent states	
С	Maximizes the equivalent states	Made by: Wagar Siddho



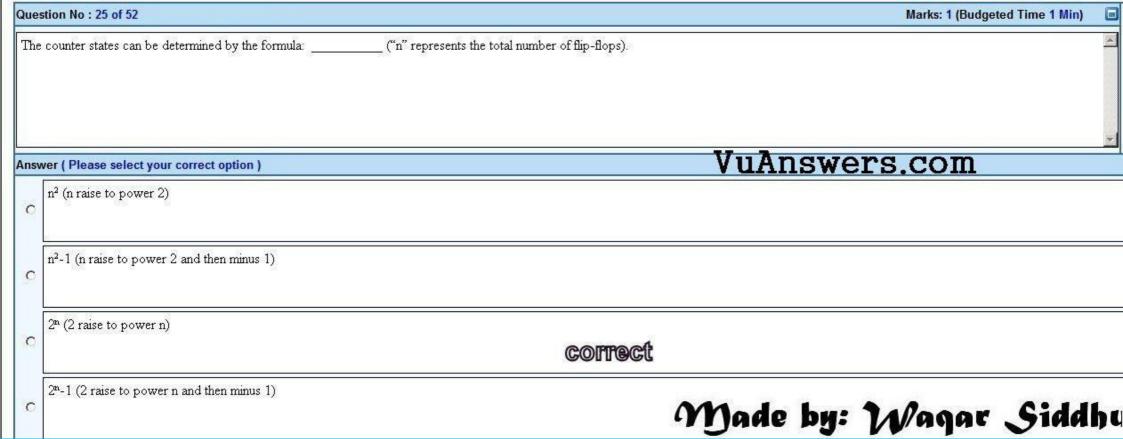




Q	uestion No : 22 of 52	Marks: 1 (Budgeted Time 1 Min)
F	For a gated D-Latch, if EN=1 and D=1 then Q(t+1) =	
Aı	nswer (Please select your correct option)	VuAnswers.com
	0	
5		
	i	
1.5	Q(t)	
1	Invalid	
38		Made by: Wagar Siddhu



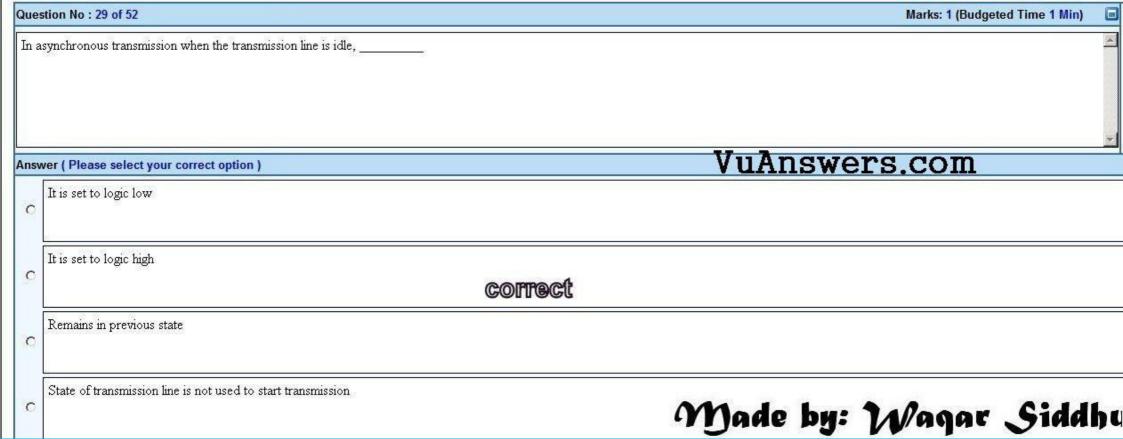
Que	stion No : 24 of 52	Marks: 1 (Budgeted Time 1 Min)
Eac	ch stage of Master-slave flip-flop works in	
Ansv	wer (Please select your correct option)	VuAnswers.com
C	One complete clock signal	
C	One fourth of the clock signal	
c	One third of the clock signal	
С	One half of the clock signal	correct Made by: Wagar Siddhu

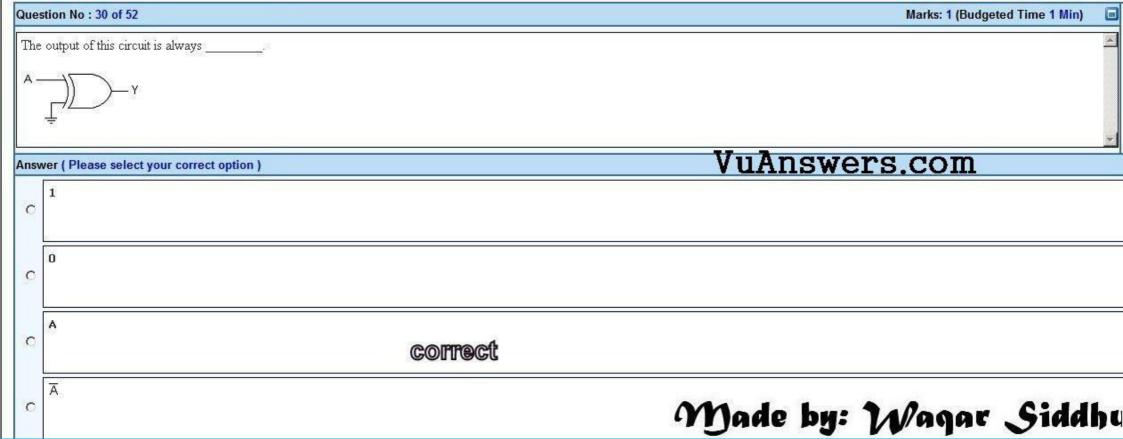


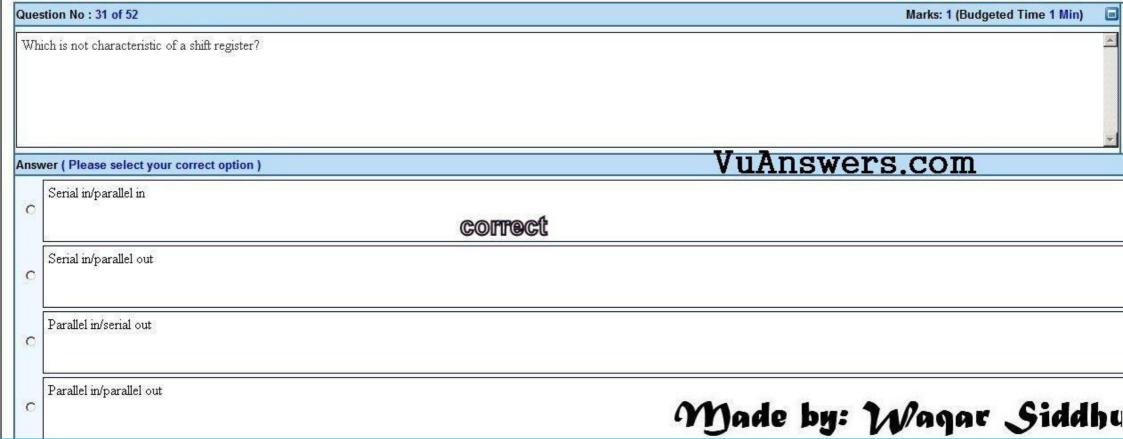
Question No: 26 of 52	Marks: 1 (Budgeted Time 1 Min)
RCO Stands for	
Answer (Please select your correct option)	VuAnswers.com
Reconfiguration Counter Output	
Reconfiguration Clock Output	
Ripple Counter Output	
Ripple Clock Output	correct Made by: Wagar Siddhu

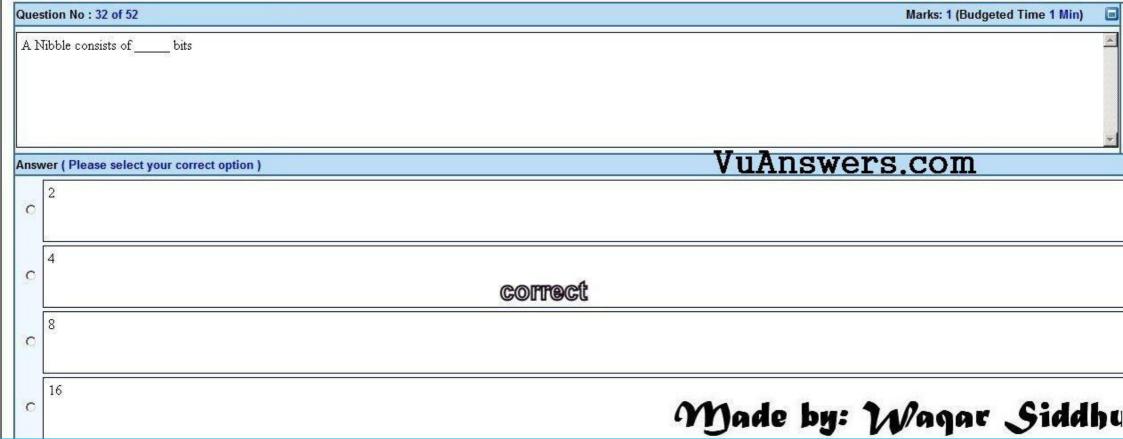
C	Question No : 27 of 52	Marks: 1 (Budgeted Time 1 Min)
	A divide-by-50 counter divides the input signal to a 1 Hz signal.	
Δ	Answer (Please select your correct option)	VuAnswers.com
	C 10 Hz	
	50 Hz	
	COFFE	ect
	C 100 Hz	
	500 Hz	Made by: Wagar Siddhu

Question No : 28 of 52		Marks: 1 (Budgeted Time 1 Min)
The alternate solution for a demu	ultiplexer-register combination circuit is	
Answer (Please select your corr	rect option)	VuAnswers.com
Parallel in / Serial out shift re	egister	
Serial in / Parallel out shift ro	egister	
<u></u>		correct
Parallel in / Parallel out shift	register	
Serial in / Serial Out shift re	gister	Made by: Wagar Siddh







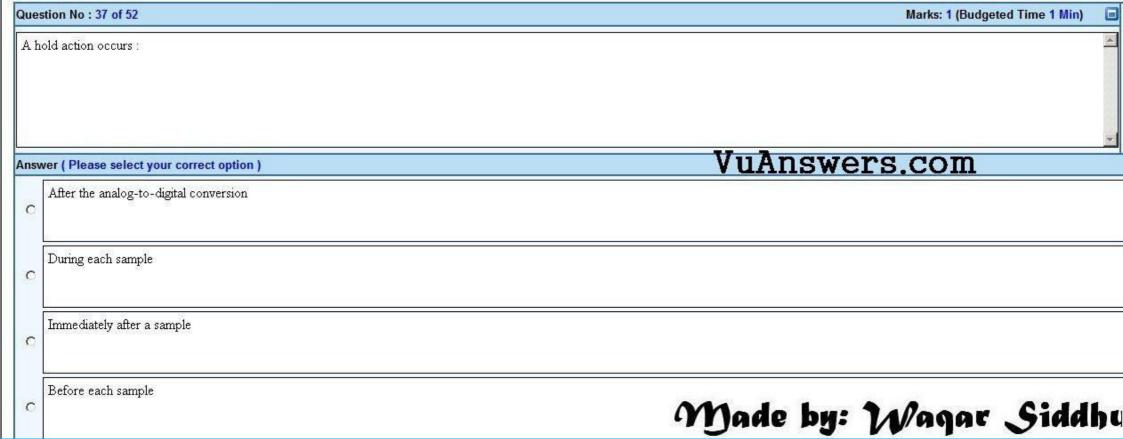


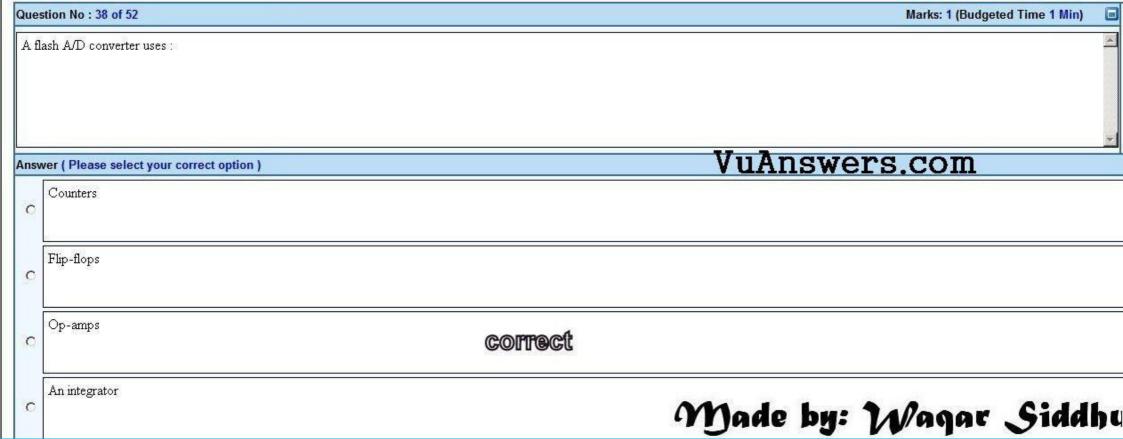
Question No : 33 of 52	Marks: 1 (Budgeted Time 1 Min)
The of a ROM is the time it takes for the data to appear at the Data Output of the ROM chip after an address is applied at the address input lines	
Answer (Please select your correct option)	VuAnswers.com
C Write Time	
Refresh Time	
Refresh Time	
Access Time COFFEC	Made by: Wagar Siddhu

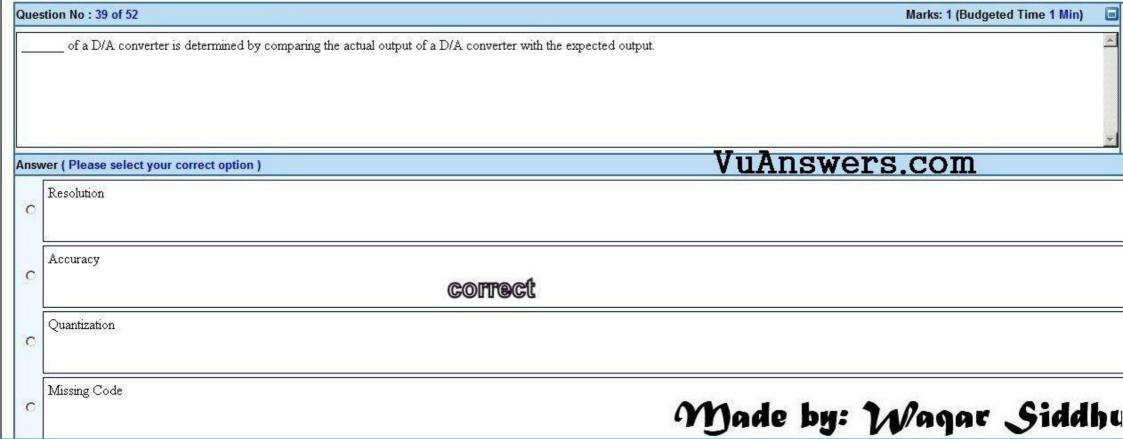
Qu	uestion No : 34 of 52	Marks: 1 (Budgeted Time 1 Min)
In	n, all the columns in the same row are either read or written.	
An	swer (Please select your correct option)	VuAnswers.com
c	Sequential Access	
c	MOS Access	
c	FAST Mode Page Access	ect
c	None of given options	Made by: Wagar Siddhu

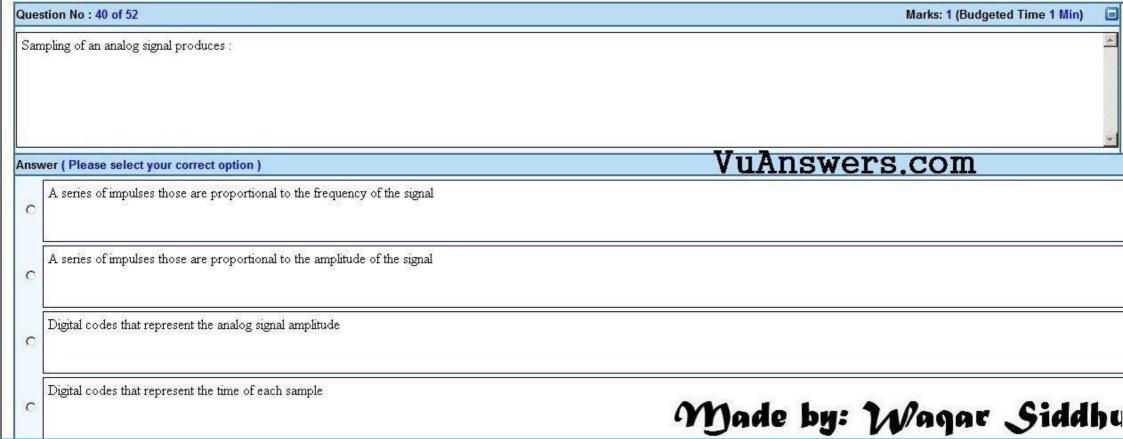
Que	vestion No : 35 of 52	Marks: 1 (Budgeted Time 1 Min)
In	order to synchronize two devices that consume and produce data at different rates, we can use	
Ans	swer (Please select your correct option) VuAnsw	ers.com
C	Read Only Memory	
c	First In First Out Memory	
C	Flash Memory	
С	Fast Page Access Mode Memory Mode by	: Wagar Siddhu

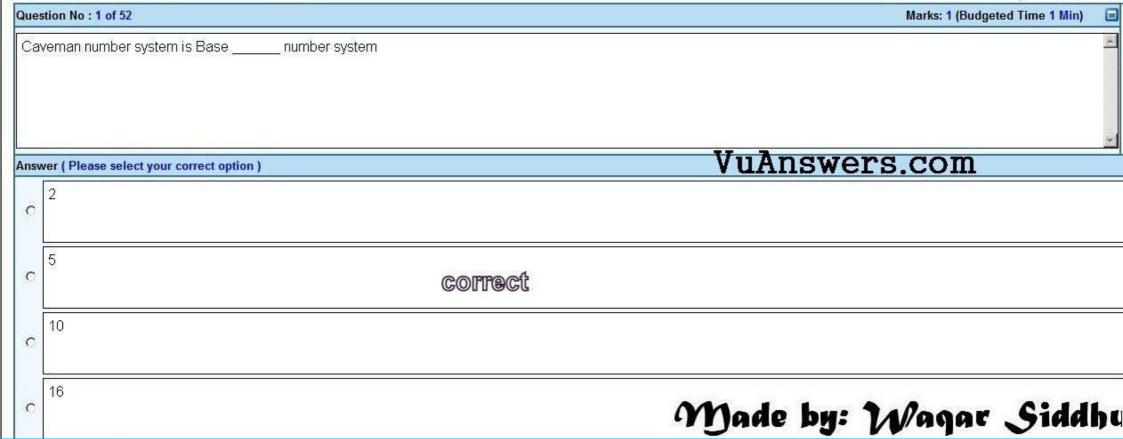
Que	estion No : 36 of 52	Marks: 1 (Budgeted Time 1 Min)
The	e process of converting the analogue signal into a digital representation (code) is known as	
Ansv	wer (Please select your correct option)	VuAnswers.com
c	Strobing	
C	Amplification	
0	Quantization	
С	Digitization	Made by: Waqar Siddh



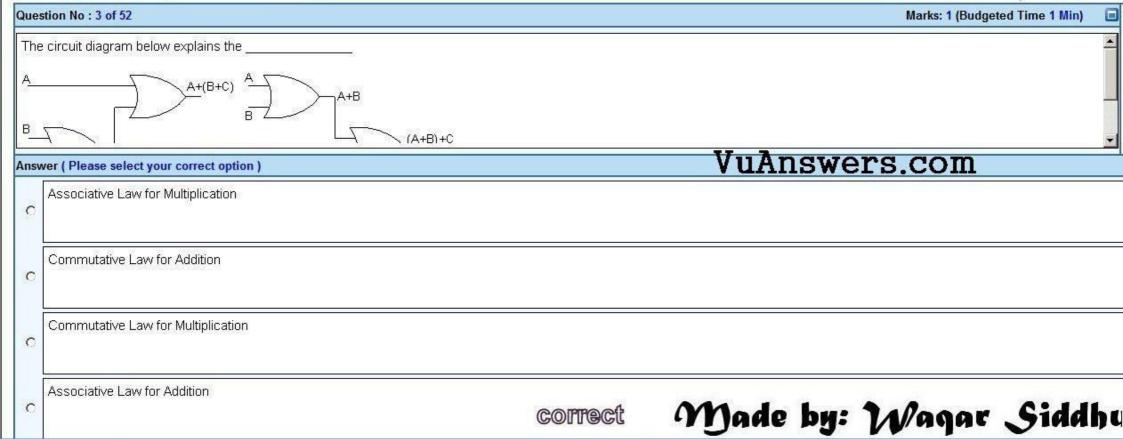












Question No : 4 of 52	Marks: 1 (Budgeted Time 1 Min)
A + Ā.B =	
Answer (Please select your correct option)	VuAnswers.com
c A	
СВ	
C AB	
A+B	correct Made by: Wagar Siddh

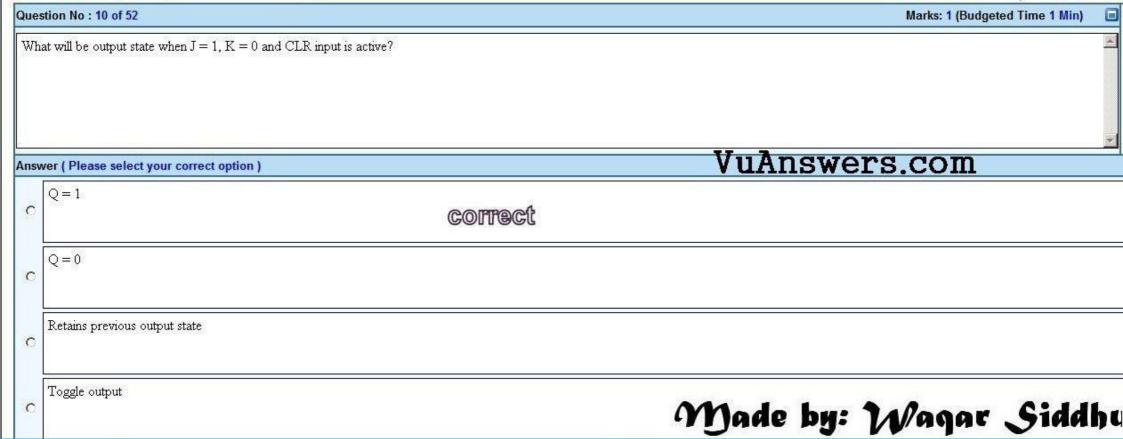
Question No : 5 of 52	Marks: 1 (Budgeted Time 1 Min)
$\overline{A}B + \overline{A}B\overline{C} + AC$ is an example of	
Answer (Please select your correct option)	VuAnswers.com
Product of sum form	
Sum of product form	
	correct
C Demorgans law	
Associative law	Made by: Wagar Siddhu

Question No : 6 of 52	Marks: 1 (Budgeted Time 1 Min)
A standard POS form has terms that have all the variables in the do	main of the expression.
Answer (Please select your correct option)	VuAnswers.com
Sum COI	rect
Product	
Min	
Composite	Made by: Wagar Siddhu

Question No : 7 of 52	Marks: 1 (Budgeted Time 1 Min)
74HC163 has two enable input pins which are and	
Answer (Please select your correct option)	VuAnswers.com
C ENP, ENT	orrect
ENI, ENC	
ENP, ENC	
ENT, ENI	Made by: Wagar Siddhu

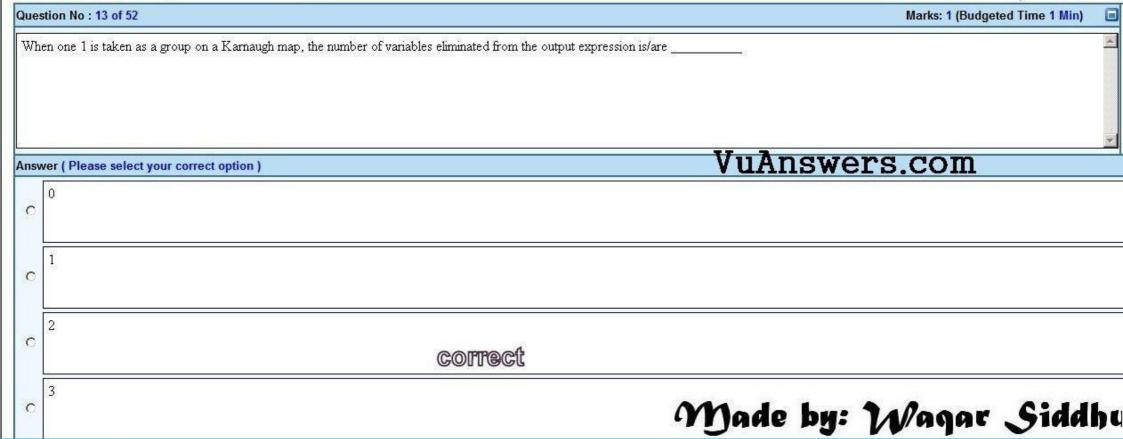
Question No : 8 of 52	Marks: 1 (Budgeted Time 1 Min)
Given the state diagram of an up/down counter, we can find	
Answer (Please select your correct option)	VuAnswers.com
The next state of a given present state	correct
The previous state of a given present state	
Both the next and previous states of a given state	
The state diagram shows only the inputs/outputs of a given states	Made by: Wagar Siddhu

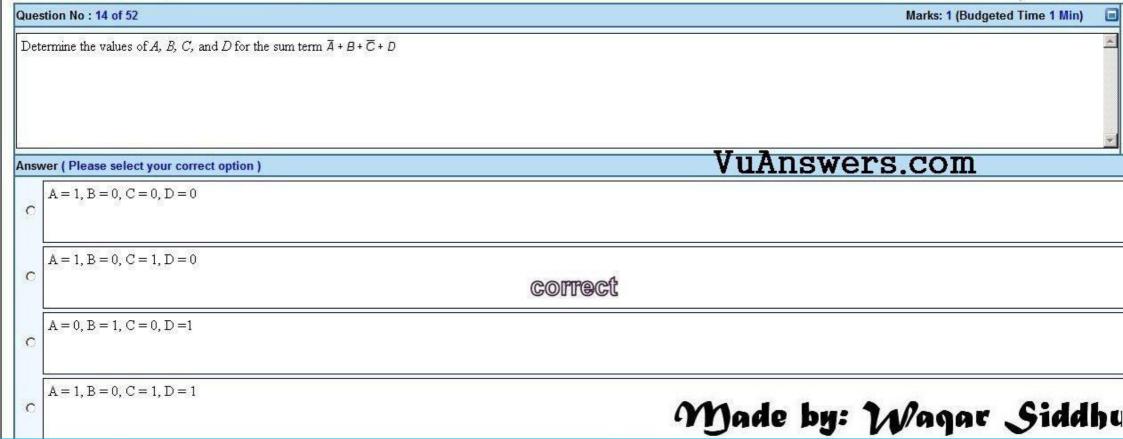
Question No: 9 of 52	Marks: 1 (Budgeted Time 1 Min)
A multiplexer with a register circuit converts	
Answer (Please select your correct option)	VuAnswers.com
Serial data to parallel	
Parallel data to serial	
	correct
Serial data to serial	
Parallel data to parallel	Made by: Wagar Siddhu

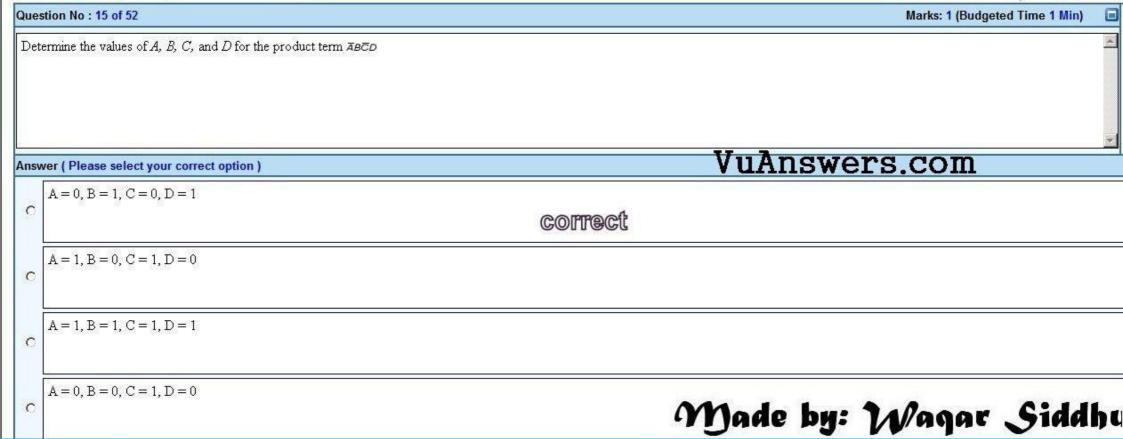


Question No : 11 of 52	Marks: 1 (Budgeted Time 1 Min)
When PRE' = 0 and CLR' =1, Qt = 0 then Q(t+1) will be	
Answer (Please select your correct option)	VuAnswers.com
Output of flip-flop will be set (Logic 1)	correct
Output of flip-flop will be reset (Logic 0)	
Output of flip-flop will be invalid	
Flip-flop will change output on Clock transition	Made by: Wagar Siddho

Question No : 12 of 52		Marks: 1 (Budgeted Time 1 Min)
Compared to analog systems, digital systems		
Answer (Please select your correct option)	VuAn	swers.com
are less prone to noise	correct	not sure
can represent an infinite number of values		
can handle much higher power		
occupy large space	Made	by: Waqar Siddho





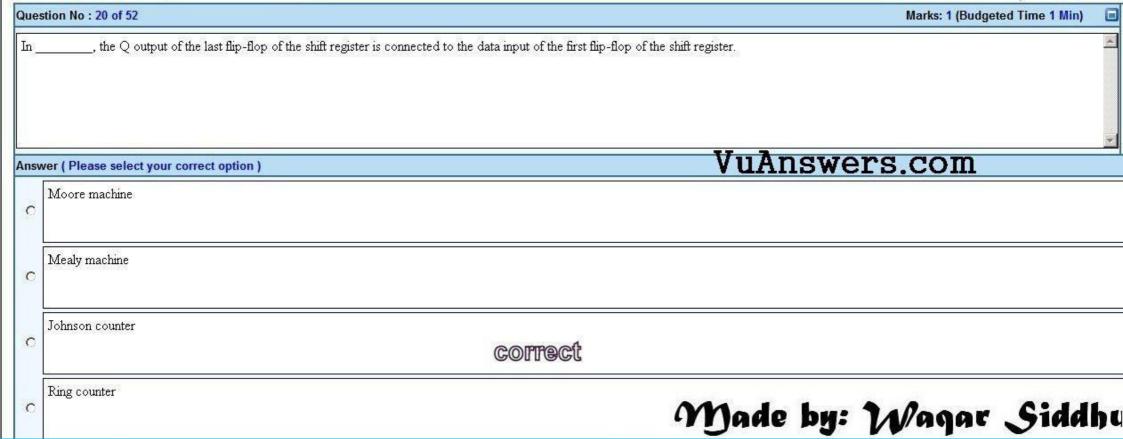


Question No : 16 of 52	Marks: 1 (Budgeted Time 1 Min)
A transparent mode means	
Answer (Please select your correct option)	VuAnswers.com
Input Hold time is zero (no need to maintain input after clock transition)	
The changes in the data at the inputs of the latch are seen at the output	
	correct
The changes in the data at the inputs of the latch are not seen at the output	
Propagation Delay is zero (Output is immediately changed when clock signal is applied)	Made by: Wagar Siddhu

Question No : 17 of 52		Marks: 1 (Budgeted Time 1 Min)
The design and implementation of synchronous counters start fro	om	
Answer (Please select your correct option)		VuAnswers.com
Truth table		
C K-map		
State table		
State diagram	correct	Made by: Wagar Siddho

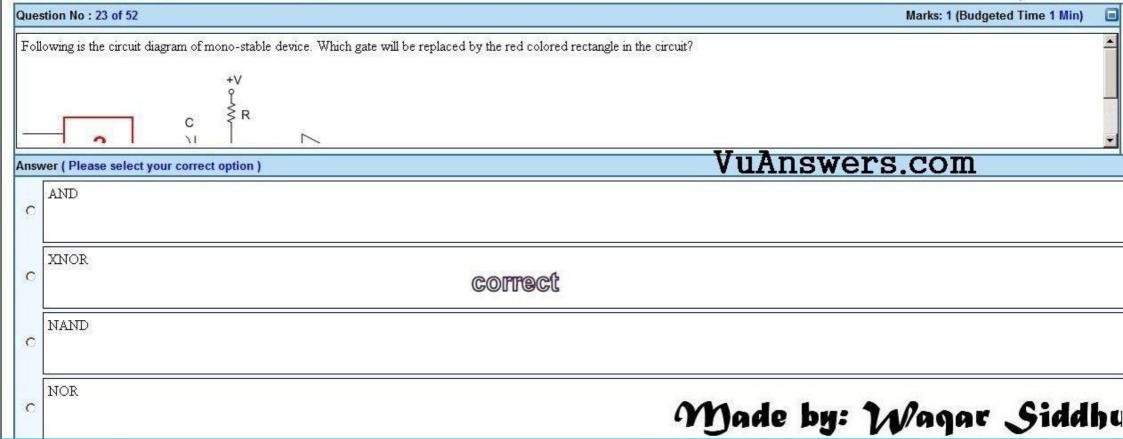
Question No: 18 of 52	Marks: 1 (Budgeted Time 1 Min)
The Sequential circuit whose output depends on the current state and the input is known as	
Answer (Please select your correct option)	VuAnswers.com
Moore Machine	
Mealy Machine	
COFF	ct
Counter	
Flip Flop	Made by: Wagar Siddho

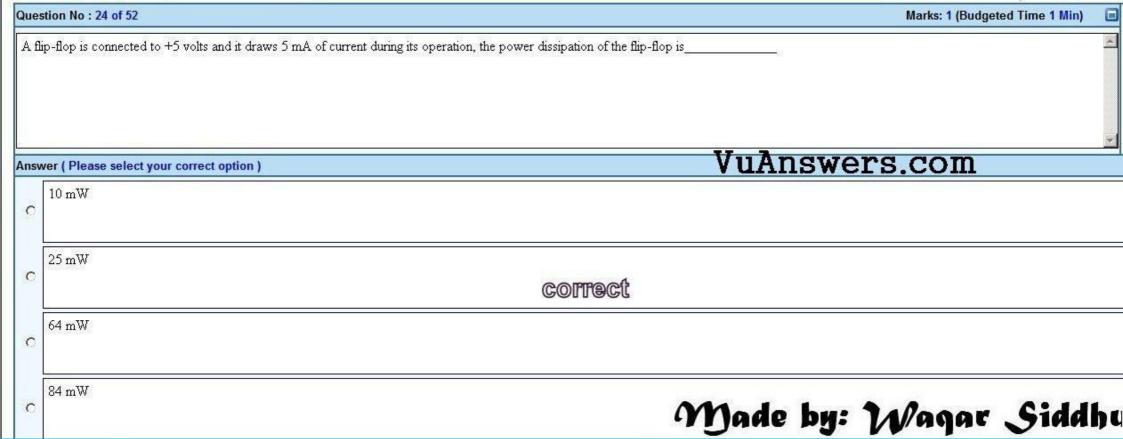
Question No : 19 of 52	Marks: 1 (Budgeted Time 1 Min)
The best state assignment tends to	
Answer (Please select your correct option)	VuAnswers.com
Maximizes the number of state variables that don't change in a group of related states	correct
Minimizes the number of state variables that don't change in a group of related states	
Minimizes the equivalent states	
Maximizes the equivalent states	Made by: Wagar Siddhu



Question No : 21 of 52	Marks: 1 (Budgeted Time 1 Min)
Invalid state of NOR based SR latch occurs when	
Answer (Please select your correct option)	VuAnswers.com
C S=0, R=0	
S=0, R=1	
S=1, R=0	
S=1, R=1	correct Made by: Wagar Siddhu

Question No : 22 of 52	Marks: 1 (Budgeted Time 1 Min)
The operation of J-K flip-flop is similar to that of the SR flip-flop except that the J-K flip-flop	
Answer (Please select your correct option)	VuAnswers.com
Doesn't have an invalid state	correct
Sets to clear when both J = 0 and K = 0	
It does not show transition on change in pulse	
It does not accept asynchronous inputs	Made by: Wagar Siddhe

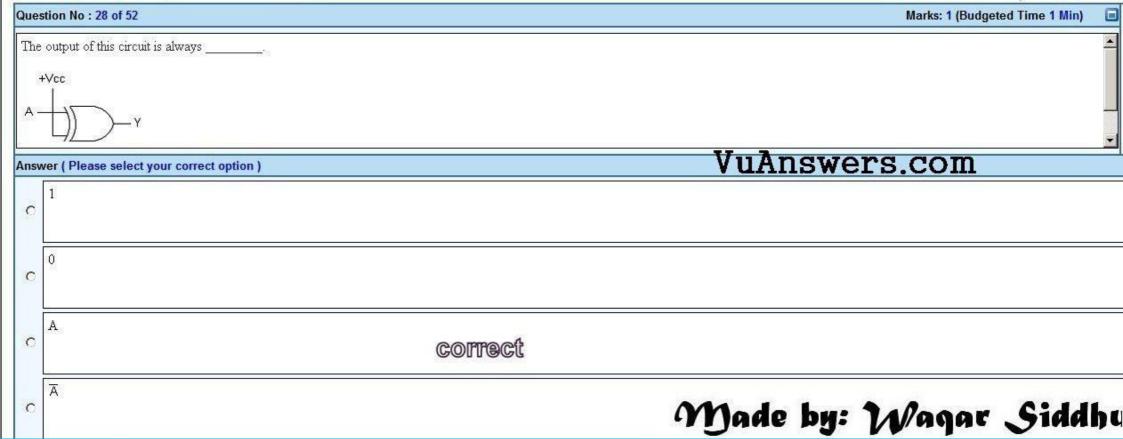


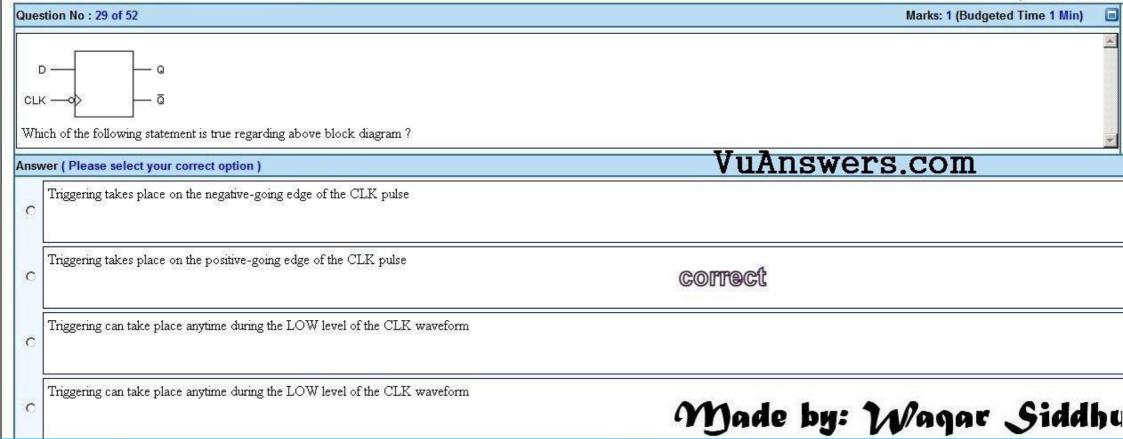


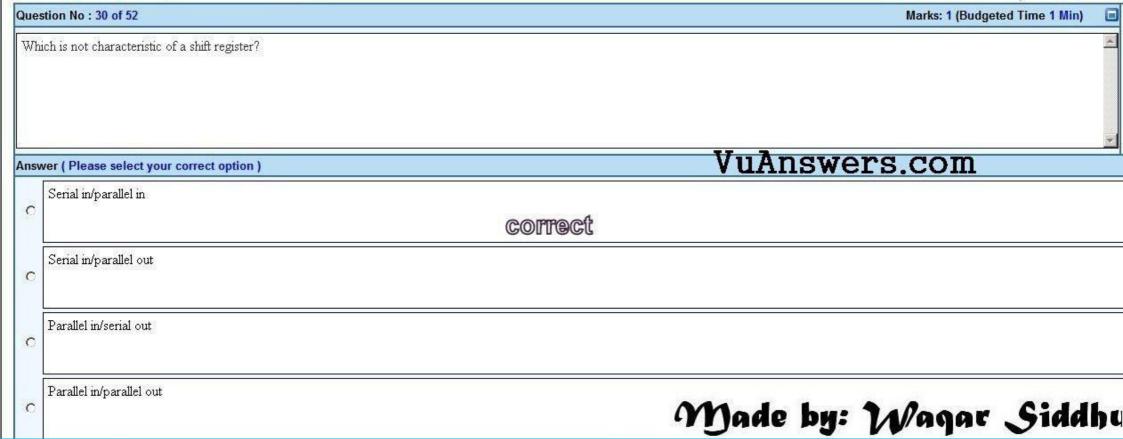
Question No : 25 of 52		Marks: 1 (Budgeted Time 1 Min)
RCO Stands for		
Answer (Please select your correct option)		VuAnswers.com
Reconfiguration Counter Output		
Reconfiguration Clock Output		
Ripple Counter Output		
Ripple Clock Output	correct	Made by: Wagar Siddhu

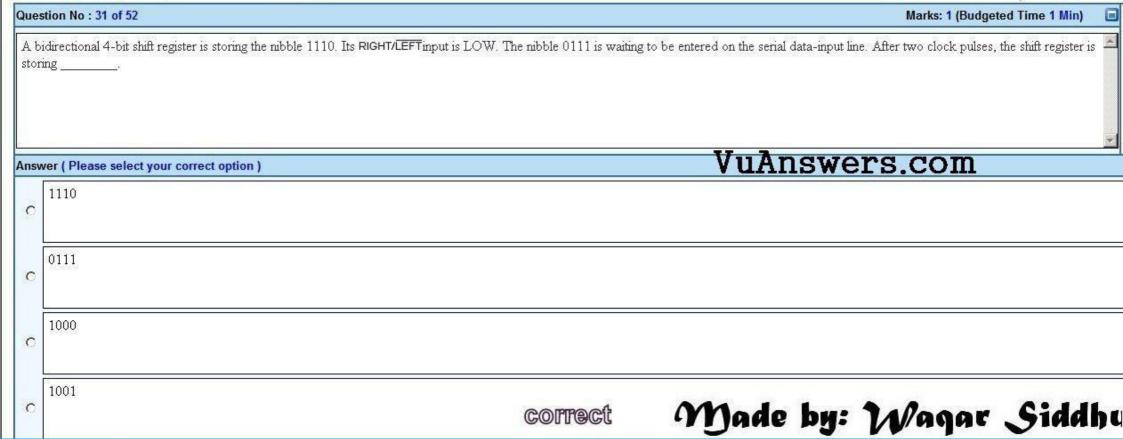
Question No : 26 of 52	Marks: 1 (Budgeted Time 1 Min)
The Sequential circuit, whose output is determined by the current state only is kno	wn as
Answer (Please select your correct option)	VuAnswers.com
Moore Machine	correct
Mealy Machine	
Counter	
Flip Flop	Made by: Wagar Siddhu

Quest	tion No : 27 of 52	Marks: 1 (Budgeted Time 1 Min)
In as	synchronous transmission when the transmission line is idle,	
Answ	ver (Please select your correct option)	VuAnswers.com
C	It is set to logic low	
	It is set to logic high	
C		correct
c	Remains in previous state	
c	State of transmission line is not used to start transmission	Made by: Wagar Siddhu

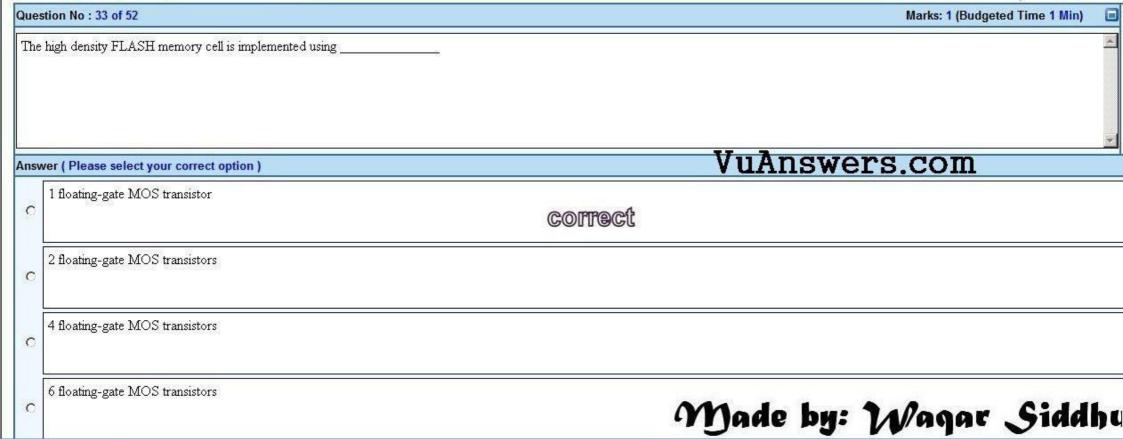








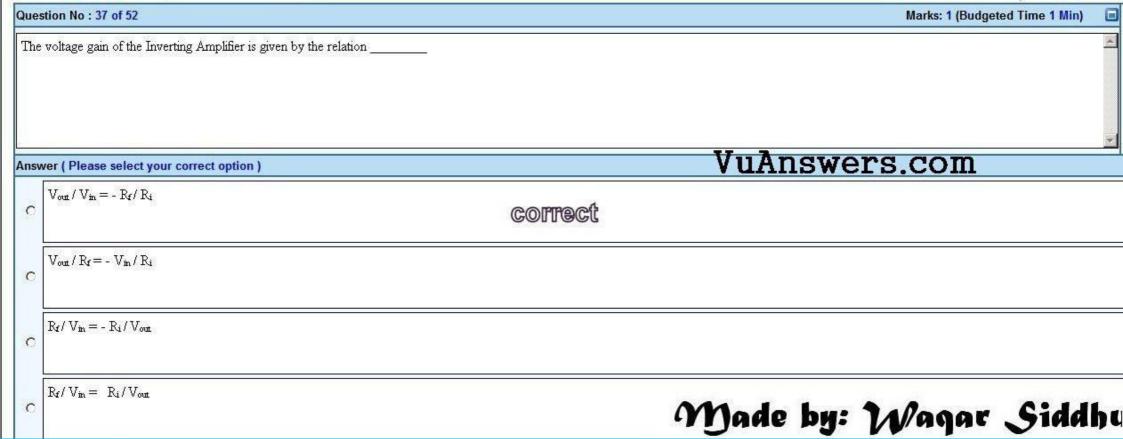
Question No : 32 of 52	Marks: 1 (Budgeted Time 1 Min)
Smallest unit of binary data is a	
Answer (Please select your correct option)	VuAnswers.com
C Bit	correct
C Nibble	
Byte	
Word	Made by: Wagar Siddhu



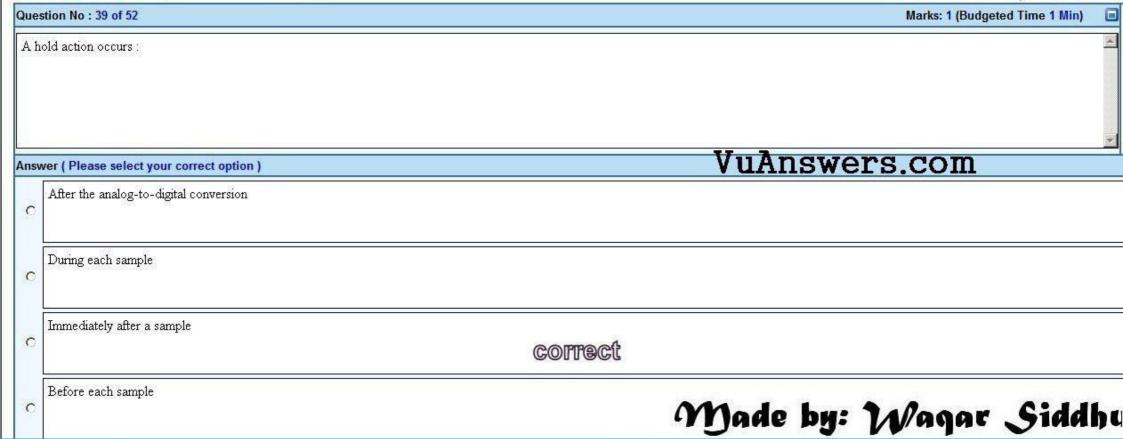
Question No : 34 of 52	Marks: 1 (Budgeted Time 1 Min)
FIFO is an acronym for	
Answer (Please select your correct option)	VuAnswers.com
First In, First Out	correct
Fly in, Fly Out	
Fast in, Fast Out	
None of given options	Made by: Wagar Siddhu

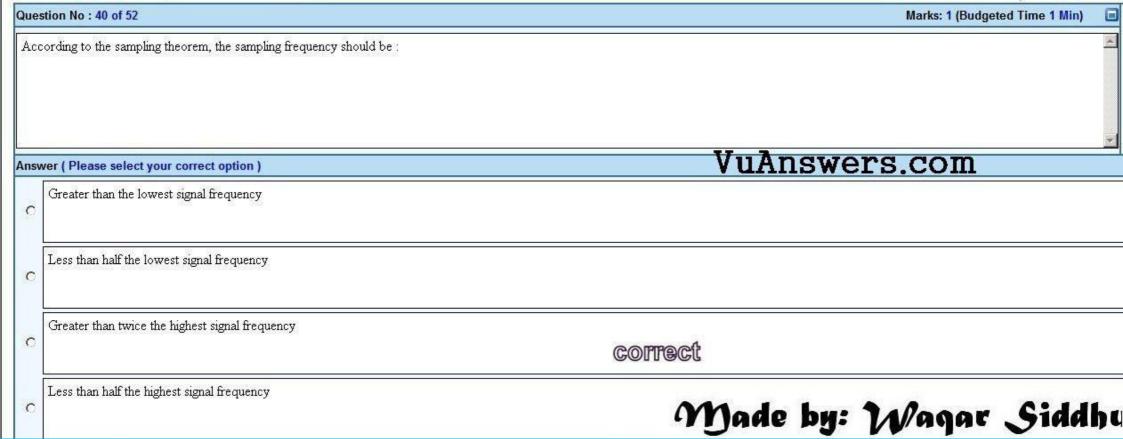
Question No : 35 of 52	Marks: 1 (Budgeted Time 1 Min)
In order to synchronize two devices that consume and produce data at different rates, we can use	
Answer (Please select your correct option)	VuAnswers.com
Read Only Memory	
First In First Out Memory	
COPT	ect
Flash Memory	
Fast Page Access Mode Memory	Made by: Wagar Siddhe

Question No : 36 of 52	Marks: 1 (Budgeted Time 1 Min)
Stack is a	
Answer (Please select your correct option)	VuAnswers.com
Bust Flash Memory	
FIFO memory	
C LIFO memory	correct
Flash Memory	Made by: Wagar Siddhu



Question No : 38 of 52	Marks: 1 (Budgeted Time 1 Min)
The process of converting the analogue signal into a digital representation (code) is k	nown as
Answer (Please select your correct option)	VuAnswers.com
C Strobing	
Amplification	
Quantization	correct
Digitization	Made by: Wagar Siddhu





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