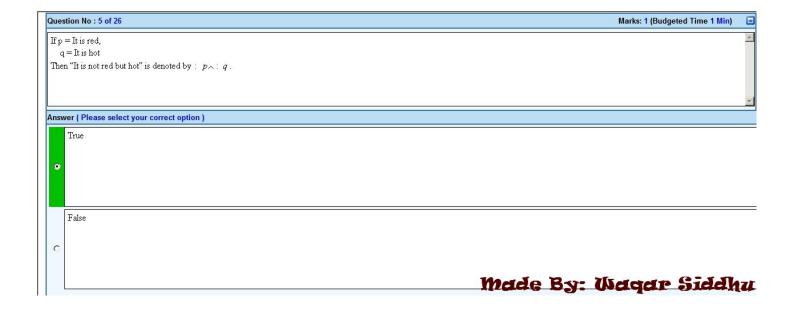
Question No : 1 of 26	Marks: 1 (Budget	ted Time 1 Min)
What is the output state of an AND gate if the inputs are 0 and 1?		
		¥
Answer (Please select your correct option)		
made By: W	idqdr	Siddhu

Question No : 1 of 26	Marks: 1 (Budgeted Time 1 Min)
What is the output state of an AND gate if the inputs are 0 and 1?	
Answer (Please select your correct option)	
0	
<u> </u>	
3	
C	
1	
C	
2	
	made By: Waqar Siddhu
	mader of mader of the state of

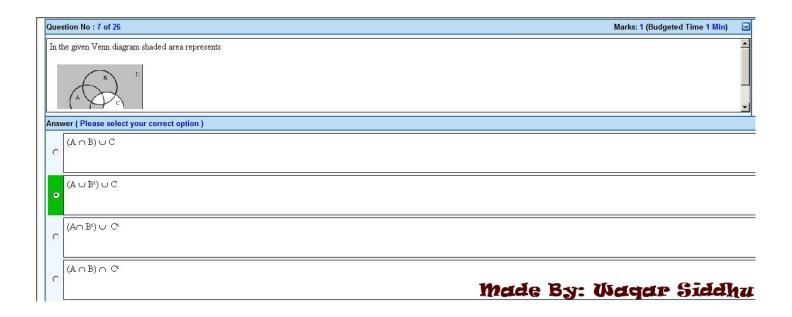
Que	estion No : 2 of 26	Marks: 1 (Budgeted Time 1 Min)
Th	ne statement of the form $ p_{\wedge} $: $ p $ is	E F
Ans	swer (Please select your correct option)	
С	Tautology	
	Contradiction	
G		
0	Fallacy	
	Made By:	Waqar Siddhu

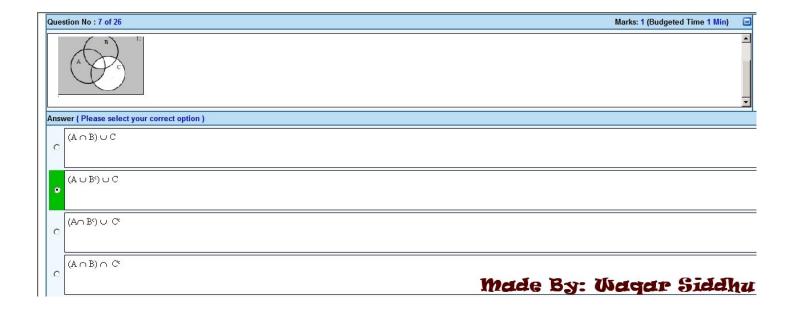
Question No : 3 of 26	Marks: 1 (Budge	ted Time 1 Min)
The contra positive of the conditional statement $p o q$ is		
		V
Answer (Please select your correct option)		
$p \rightarrow q$		
C		
q o p		
С		
$q \rightarrow p$		
None of these		
made By:	Wagar	Siddhu

Question No : 4 of 26	Marks: 1 (Budget	ted Time 1 Min) 🔲
Select the contra positive of the following statement If I will get up early in the morning then I will catch my school bus $p=I$ will get up early in the morning $q=I$ will catch my school bus		A
		F
Answer (Please select your correct option)		
$C \qquad : p \to : q$		
$C p \rightarrow q$		
$: q \rightarrow : p$		
େ $p o q$ made By:	Waqar	Siddhu

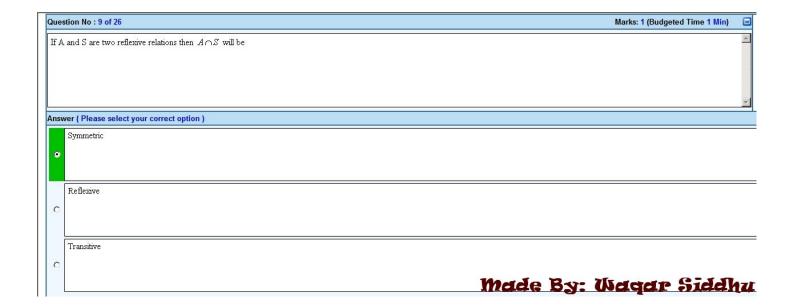


(Question No : 6 of 26	Marks: 1 (Budget	ted Time 1 Min)
	What will be the output of an OR-gate if it has inputs 0 and 1?		
L	Answer (Please select your correct option)		
-	Allswer Frease select your correct option		
	0		
ľ	1		
	3		
	made By:	Madan	GIAAlazı
	That by.	wayar	STANTA





Qu	uestion No : 8 of 26	Marks: 1 (Budget	ed Time 1 Min)
L	et U be the universal set and A is its subset then $A \cup A^c$ is equal to		A
			F
An	nswer (Please select your correct option)		
	A		
	A ^c		
(
	ø		
(
(_	
	made By:	Waqar	Siddhu



Question No: 10 of 26	Marks: 1 (Budgeted 1	Γime 1 Min) 🔳
Every relation		A
Answer (Please select your correct option)		<u>~</u>
may or may not be a function.		
is a bijective mapping.		
Cartesian product set		
is a function. Made By	: Waqar S	iddhu

Question No : 11 of 26	Marks: 1 (Budgeted Time 1 Min)
How many functions are there from a set with three elements to a set with two elements?	×
Answer (Please select your correct option)	
6	
8	
12 made By:	Waqar Siddhu

	Question No : 12 of 26	Marks: 1 (Budgeted Time 1 Min)
	Let $A = \{x, y, z\}$ and $B = \{a, b, c\}$ be two sets then a function f defined as $\{(x, a), (y, a), (z, a)\}$ is	<u>*</u>
	Answer (Please select your correct option)	
	C Onto	
	C Constant	
	C One-to- one	
	Onto and constant	Mr
П	mdae B	y: Waqar Siddhu

Question No : 13 of 26	Marks: 1 (Budgeted Time 1 Min)
Let f and g be the functions defined by $f(x) = 2x + 3$ and $g(x) = 3x + 2$ then composition of f and g is	Z.
Answer (Please select your correct option)	
6x+6	
c $5x+5$	
o 6x+7 Made By: U	sagar Siddhu

Question No : 14 of 26	Marks: 1 (Budgeted Time 1 Min)
Let g be the function defined by $g(x) = 3x + 2$ then $g \circ g(x) =$	_
	v
Answer (Please select your correct option)	
$9x^2 + 4$	
c $6x+4$	
9x+8	
mad	e By: Waqar Siddhu

Question No : 15 of 26	Marks: 1 (Budgeted Time 1 Min)
If $f(x) = 2x + 1$, $g(x) = x^2 - 1$ then $f \circ g(x) =$	<u>A</u>
Answer (Please select your correct option)	
$ \begin{array}{c c} x^2 - 1 \\ \hline 2x^2 - 1 \end{array} $	
2x ³ -1	made By: Waqar Siddhu

Que	stion No : 16 of 26 Marks: 1 (Budgeted Time 1 Min)	
$\sum_{j=1}^{3}$	(3 <i>j</i> – 5) =	A
		¥
Ansv	ver (Please select your correct option)	
c	4	
С	3	
0	-2	
	Made By: Wagar Siddh	Ų.

(Question No : 17 of 26	Marks: 1 (Budgeted	d Time 1 Min) 🔳
	The part of definition which can be expressed in terms of smaller versions of itself is called		A
1	Answer (Please select your correct option)		<u>M</u>
	Recursion		
	C Conclusion		
	C Base		
	Restriction Made By: 1	Waqar :	Siddhu

C	Question No : 18 of 26	Marks: 1 (Budget	ted Time 1 Min) 🔲
	Let f is defined recursively by $f(0) = 3$, $f(n+1) = 2f(n) + 3$ then $f(1) =$		<u> </u>
1	Answer (Please select your correct option)		_
	9		
h	10		
	18		
	0 16		
	made By:	Wagar	Siddhu

Question No : 19 of 26 Marks: 1 (Budgeted	
$A = \{1, 2, 3, 4, 5\}$ is a set of first five numbers.	
nswer (Please select your correct option)	
True	
natural	
even	
Made B;	y: Waqar Siddhu
n	swer (Please select your correct option) True natural even odd

Question No : 20 of 26	Marks: 1 (Budgeted Time 1 Min)
If p = Saima is hard working q = Saima is good in mathematics "Saima is hard working and good in mathematics" is denoted by	
Answer (Please select your correct option)	
P ^ q	
p^: q	
c	
$(p \lor q)$	
made By: Wa	qar Siddhu

