Que	tion No : 1 of 26 Marks: 1 (Budgeted Time 1 Min)	0
V	hich one of the following is a statement?	A
		¥
Ans	er (Please select your correct option)	
o	x + 2 is positive	
О	Logic is interesting	
0	x + y = 2	
c	May I come in? Made By: Wagar Siddh	Į Į

Ques	tion No : 2 of 26	Marks: 1 (Budgeted Time 1 Min)	•
Whi	ch one of the following is the negation of the statement		A
" I	ff Tanveer lives in Lahore then he lives in Pakistan." ?		
			Y
Answ	ver (Please select your correct option)		
О	If Tanveer does not live in Lahore then he does not live in Pakistan.		
c	Tanveer does not live in Lahore then he lives in Pakistan.		
o	Tanveer does not live in Lahore and he lives in Pakistan.		
o	If Tanveer lives in Lahore then he does not live in Pakistan. Made By: U	baqar Siddh	u

Question No : 3 of 26	Marks: 1 (Budgeted Time 1 Min)
Let ${f p}$ be the statement "You study" and ${f q}$ be the statement "You pass the exams." Express the following proposition as an English sentence. $p o q$	<u></u>
Annuar / Disease solect your correct action)	<u> </u>
Answer (Please select your correct option)	
If you pass the exams then you must have studied.	
If you study then you pass the exams.	
If you pass the exams then do not study.	
If you do not study then you do not pass the exams.	Mars San Mars Mars and Calabara
	Made By: Waqar Siddhu

Qu	estion No : 4 of 26 Marks: 1 (Budgeted Time 1 Min)	•
Fr	om the truth table, for $p\leftrightarrow q$ to be true both p and q must have the same truth values.	4
		4
		V
An	swer (Please select your correct option)	
	True	
	False	
1000		
	made By: Waqar Siddh	71
	made 53. Warder staden	-4

Que	estion No : 5 of 26 Marks: 1 (Budgeted Time 1 Min)	•
Th	ne statement " He will be the president if and only if he wins the presidential election " is a?	
L		¥
Ans	swer (Please select your correct option)	
С	Conditional statement.	
С	Biconditional statement.	
	made By: Wagar Siddh	174

Que	estion No : 6 of 26 Marks: 1 (Budgeted Time 1 Min)	=
At	n argument is invalid if the conclusion is false when all the premises are	A
Ans	wer (Please select your correct option)	
	False	
power		
0		
	True	
0		
	made By: Wagar Siddle	U

Que	estion No : 7 of 26 Marks: 1 (Budgeted Time 1 Min)	0
Le	et A be a non empty subset of the Universal set U, then $A \cup U$ =	A
		A
		Y
Ans	swer (Please select your correct option)	
	, A	
	U	
С		
	A'	
С		
	<u></u>	_
C	made By: Waqar Siddh	71
	made by. wadar staat	4

Question No : 8 of 26	Marks: 1 (Budgeted Time 1 Min)
If A∩B = Ø then sets A and B are called	_
Answer (Please select your correct option)	
Disjoint sets	
Equal sets	
Equal sets	
Made B	y: Waqar Siddhu

Question No : 9 of 26	Marks: 1 (Budgeted Time 1 Min)
The sets (a, b,c) and (1,2,3) are equal.	A
	·
Answer (Please select your correct option)	
True	
False	
C	
Made	By: Wagar Siddhu

Que	estion No : 10 of 26 Marks: 1 (Budgeted Time 1 Min)	0
If A	$A = (1, 2, 3)$ and $B = ((1, 2), 3)$ then $A - B = \dots$	A
		~
Ans	wer (Please select your correct option)	
0	(3)	
O	0	
o	(1, 2, 3, (1,2))	
0	(1,2) Made By: Waqar Siddh	U

Question No : 11 of 26	Marks: 1 (Budgeted Time 1 Min)
Which of the relation defines a function from $X = \{2,4,5\}$ to $Y = \{1,2,4,6\}$.	<u> </u>
$R_1 = ((2,4), (4,1))$ $R_2 = ((2,4), (4,1), (4,2), (5,6))$	
$R_3 = \{(2,4), (4,1), (4,2), (5,6)\}$	
	<u> </u>
Answer (Please select your correct option)	
R ₁ and R ₂	
С	
R ₃	
R _{2 and} R ₃	
C	made By: Waqar Siddhu
	strang all are der Symmitter

Question No : 12 of 26	Marks: 1 (Budge	eted Time 1 Min)	
If a relation is given by $R = ((0,1),(1,2),(3,4))$ then Range of R is			Α
			4
			¥
Answer (Please select your correct option)			
$C^{(0,1,3)}$			
(1,2,3)			
C			
(2,3,4)			_
(1,2,4)			=
made By:	Leade	Siddle	7 1
11/246 23.	meder	A) Yester I (4

Que	tion No : 13 of 26 Marks: 1 (Budgeted Time 1 Min)	0
If F	and S are reflexive then $R \cap S$ is	Δ
		*
Ans	ver (Please select your correct option)	
	Reflexive	_
0		
	Transitive	
0		
	Symmetric	
0		
	made By: Waqar Siddh	U

Qı	Question No : 14 of 26	Marks: 1 (Budgeted Time 1 Min)	0
I	Let R be a binary relation on a set A. R is irreflexive iff		4
			A
L			¥
Aı	Answer (Please select your correct option)		
	$\forall a \in A, (a, a) \in R$		
	· C		
			_
	$\forall a \in A, (a, a) \notin R$		
			_
	$a \in A, (a,a) \notin R$		
		Wagar Siddh	71
	made by.	wader areau	4

_					
	Que	stion No : 15 of 26	Marks: 1 (Budget	ted Time 1 Min)	
	For	a graph to be the graph of a function, any given vertical line in its domain intersects the graph in at			A
					<u>e</u>
					*
	Ansv	wer (Please select your correct option)			
		Most one point.			
	0				
		Most two points.			_
	0				
		Least one point.			
	0				
		made By:	Wadar	Siddh	71
ı					

Qu	ion No : 16 of 26 Marks: 1 (Budgeted Time 1 Min)	•
A	nstant function is one-to-one if and only if	A
		Ψ
An	er (Please select your correct option)	
c	Its domain is singleton	
c	Its domain is empty	
c	Its co-domain is empty	
c	ts co-domain is singleton Made By: Wagar Siddh	u

Qı	uestion No : 17 of 26	Marks: 1 (Budge	ted Time 1 Min)	0
	If $f=((a, 1), (b, 1), (c, 1))$ is a function from A to B, then f is			A
				¥
An	nswer (Please select your correct option)			
c	An identity function			
(A singleton set			
(An empty set			
(A constant function Made By:	Waqar	Siddh	71

Question No : 18 of 26	Marks: 1 (Budgeted Time 1 Min)	0
Let $a_1, a_2, a_3, \ldots, a_n$ be an arithmetic sequence, then sum of the terms of sequence is		
		7
Answer (Please select your correct option)		
$C S_{n} = \frac{n}{2} \left\{ 2\alpha + (n-1)d \right\}$		
$C S_{x} = \frac{n(a_{1} + a_{x})}{6}$		
$C = \frac{S_x = \frac{n(a_1 + a_n)}{4}}{Made By: Water By: We have the second of the second $	aqar Siddh	u

(Question No : 19 of 26	Marks: 1 (Budgeted	Time 1 Min)
	We calculate the sum of the series 1+2+3++100 by using formula		A
			Y
1	Answer (Please select your correct option)		
	$C \frac{n(n+1)}{2}$		
	$C = \frac{(n+1)}{2}$		
	$c^{rac{n(n+1)}{6}}$ made By: ପ	baqar S	iddhu

Questio	on No : 20 of 26 Marks: 1 (Budgeted Time 1 Min)	0
If		A
	value = 12 Value = 15	
Increas		
I nen u	he Percentage change	
Anewor	r (Please select your correct option)	M
0 30	10%	
	5%	
0		
	vro.	_
0 2	.5%	
	2%	
0	made By: Waqar Siddh	U













