Question No : 1 of 26	Marks: 1 (Budgeted Time 1 Min)
If $p \otimes q$ are statements, then their disjunction is	×
	Y
Answer (Please select your correct option)	
C p or q	
C p and q	
p and q and p	
None of these Made By:	Waqar Siddhu

Qı	uestion No : 2 of 26	Marks: 1 (Budgeted Time 1 Mi	in) 🔳
ī	The statement " It is not raining if and only if roads are dry" is logically equivalent to		_
L			7
Aı	nswer (Please select your correct option)		
	If roads are dry then it is not raining.		
	None of these		
	Roads are dry if and only if it is not raining		
	If it is not raining then roads are dry		
	Made By: 1	hagar Sidd	hu

Qu	estion No : 3 of 26	Marks: 1 (Budge	eted Time 1 Min)
Aı	n argument is if the conclusion is true when all the premises are true.		4
Ans	iswer (Please select your correct option)		▼
c	Invalid		
c	False		
c	Valid		
c	None of these Made By: U	Jaqar	Siddhu

Question No : 4 of 26	Marks: 1 (Budgeted Time 1 Mi	in) 🔳
Which one of the following argument is valid?		
Answer (Please select your correct option)		√
Ali lives in Pakistan, Lahore is a city of Pakistan therefore Ali lives in Lahore.		
All lives in Pakistan, Lanore is a city of Pakistan therefore All lives in Lanore.		
All cows are black, Jhon is black therefore Jhon is a cow.		
Cats are mammals, dogs are mammals therefore cats are dogs		
Only birds can fly, pigeon is a bird therefore pigeon can fly.		
made by:	Waqar Sidd	hu

Question No : 6 of 26	Marks: 1 (Budgeted Time 1 Min)
Is the given statement true? $\phi = (\phi)$	<u> </u>
	<u>*</u>
Answer (Please select your correct option)	
Yes	
No	
c	
made By:	Waqar Siddhu

Que	stion No : 7 of 26 Marks: 1 (Budgeted Time 1 Min)	0
As	ociative law of intersection for three sets is	
Ana	ver (Please select your correct option)	Y
Alls		
С	$A \cup (B \cup C) = (A \cup B) \cup C$	
c	$A\cap (B\cap C)=(A\cap B)\cap C$	
0	$A \cup (B \cap C) = (A \cup B) \cap (A \cup B)$	
	None of these	
0	Made By: Waqar Siddh	[4

Question No: 8 of 26	Marks: 1 (Budgeted Time 1 Min)	
If $A = (a,b,c)$ is a set and $R = \{(a,c),(b,b),(c,a)\}$ is a relation on A then R is		Δ
		<u>A</u>
		Ŧ
Answer (Please select your correct option)		
Transitive		
C		
Reflexive		_
C		
Symmetric		_
Transitive and Reflexive		=
	Waqar Siddhi	
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Qı	Question No : 9 of 26	Marks: 1 (Budgeted Time 1 Min)	
Ŀ	Inverse of relation can be obtained by		A
			¥
Ar	Answer (Please select your correct option)		
	changing signs of elements in order pairs.		
(C C		
	changing position of elements in order pairs.		
(o c		
	taking multiplicative inverse of elements in order pairs.		
(c		
	made By	: Waqar Siddh	u

Question No : 10 of 26	Marks: 1 (Budgeted Time 1 Min)
If $f(x) = 2x + 1$ then $f^{-1}(x) =$	<u> </u>
	7
Answer (Please select your correct option)	
\circ $x-1$	
C x^2+2	
$c = \frac{1}{2x+1}$ Made B:	y: Waqar Siddhu

Qı	uestion No : 11 of 26	Marks: 1 (Budgetee	d Time 1 Min) 🔳
I	If A is a set of all integers and $R = \{(x, y) \in A \text{ iff } xy \ge 1\}$ is a relation on A then the relation R is		_
L			V
Aı	nswer (Please select your correct option)		
	Transitive		
	Symmetric		
	Reflexive		
	All the given options are true Made By: U	bagar :	Siddhu

Question No : 12 of 26	Marks: 1 (Budgeted Time 1 Min)
The part of definition which can be expressed in terms of smaller versions of itself is called	<u> </u>
	¥
Answer (Please select your correct option)	
Base	
C Restriction	
Recursion	
Conclusion Made B	y: Waqar Siddhu

	Question No : 13 of 26	Marks: 1 (Budge	eted Time 1 Min)
•	Let f is defined recursively by $f(0) = 5$, $f(n+1) = 4f(n) + 2$ then $f(1) = 4f(n) + 2$		A
			V
ľ	Answer (Please select your correct option)		
	c 10		
П			
	r 22 Made By	: Wagar	Siddhu

Qu	uestion No : 14 of 26	Marks: 1 (Budgeted Time 1 Min)
F	For real numbers a and b these $a+b$, $b-a$, $a \times b$ and $a+b$ are	_
		_
L		<u> </u>
An	nswer (Please select your correct option)	
	Geometric expressions	
	c c	
	Arithmetic expressions	
(С	
	Harmonic expressions	
1	C C	
`		Water Carlo
	maae by:	Waqar Siddhu

Que	tion No : 15 of 26 Marks: 1 (Budgeted Time 1 Min)	•
Th	tower of Hanoi is a puzzle consisting of	A
		<u>A</u>
		7
Ans	er (Please select your correct option)	
	2 people	
0		
	3 people	
0		
	4 people	
0		
	made By: Waqar Siddh	4

Question No : 16 of 26	Marks: 1 (Budgeted Time 1 Min)
Let a and b be integers. Suppose a function Q is defined recursively as follows: $Q(a,b) = \begin{cases} 2 & \text{if } a < b \\ Q(a+b,b-1)+b & \text{if } b \le a \end{cases}$	<u> </u>
Then $Q(5,2) =$	·
Answer (Please select your correct option)	
C $Q(5,2) = Q(7,4) + 5$	
C $Q(5,2) = Q(7,1) + 2$	
Q(5,2) = Q(5,2) + 2	
made By: 1	Waqar Siddhu

Que	tion No : 17 of 26 Marks: 1 (Budgeted Time 1 Min)	•
Th	same element can never appear in a set.	A
		w
Ans	er (Please select your correct option)	
	twice	
С		
	once	
С		
	thrice	
	Mardo Bos Marara Cidalla	
	made By: Wagar Siddle	4

Que	ion No : 18 of 26 Marks: 1 (Budgeted Time 1 Min)	Œ
If	$\cup B) = A$ then	A
		4
		Y
Ans	er (Please select your correct option)	
	$(A \cap B) = B^c$	
C		
	$(A \cap B) = A$	
C		
	$(A \cap B) = B$	
C		
	Made By: Wagar Siddh	7

Qı	uestion No : 19 of 26	Marks: 1 (Budge	eted Time 1 Min)
	$A = \{1, 2, 3, 4, 5\}$ is a set of first five numbers.		A
			V
Aı	nswer (Please select your correct option)		
	C True		
	natural C		
	even		
	odd Made By:	Waqar	Siddhu

Question No : 20 of 26	Marks: 1 (Budgeted Time 1 Min)
If p = A Pentium 4 computer, q = attached with ups.	<u> </u>
Then "no Pentium 4 computer is attached with ups" is denoted by	
	•
Answer (Please select your correct option)	
None of these	le By: Waqar Siddhu
MING.	te pg. wayar graanu











