MULTIPLE CHOICE QUESTIONS (MCQ'S)

1.	is the collection	of well defined and distinct				
	objects.					
	(a) Set (b) power	(c) conjugate(d) Relation				
2.	Anything belongs to a Set is o	called an of the Set.				
	(a) Subsets (b) elements	(c) domain (d) power				
3.	A set can be written in	·				
	A set can be written in (a) only one way (c) three ways	(b) two ways				
	(c) three ways	(d) several ways				
4.	The Meetin concidered to	ha a DIEVELV SEL				
	(a) Super Set	(b) Proper Subset				
	(C) Subset	(u) improper care				
5.	C 11 C 1 C - C	et is called Set.				
٠.	(a) Power (b) Null	(c) Super (a) Floper				
6.	According to de Morgan's la	w A'∩B' =				
ĮŮ.	$(A) (B \cap A)'$	(c) (A(1B); (a) (AUD)				
7.	The Set A = 1xlx is past pre	sident of Pakistan who was a				
1.	on avample of	Set.				
e	(L) Cub	(c) Nilli (d) Illine				
	far any Sat A AOA' =					
8.	(a) Super (b) Sub for any Set A, $A \cap A' = $ (a) $\{a,b\}$ (b) $\{a,b\}$ (c) $\{a,b\}$ (c) $\{a,b\}$ (d) $\{a,b\}$ (e) $\{a,b\}$ (f) $\{a,$	(c) {c, d} (d) { a}				
	(a) $\{a, b\}$ (b) $\{a, b\}$ and $B = \{2^1, 2^2, 2^2, 2^2, 2^2, 2^2, 2^2, 2^2, $	2^3 } are Sets.				
9.	(a) $\{a,b\}$ (b) $\{\}$ A = $\{2,4,8\}$ and B = $\{2^1,2^2\}$ (a) Equivalent (b) Sub	(c) Equal (d) Null				
10.	1 4 1	(c) > (Q) +				
	(a) = (b) < (a) = (3.4). (a)	$C = \{4, 5\}$ then $A \times (B \cap C) =$				
11.	let $A = \{2, 3\}, 9 - \{3, 3\}$					
	<u> </u>	(b) { (2,4), (3,4)}				
	(a) \$\phi\$ (c) \{ (3,4),(4,5) \}	(d) { (2,4), (2,5)}				
6.2		an y = and y =				
12.	If $(x + 2, 3y - 6) = (2x, y)$ the	(b) $x = 3, y = 5$				
	(a) $x = 1$, $y = 4$ (c) $x = 5$, $y = 6$	(d) $x = 2, y = 3$				
	(c) $x = 5$, $y = 0$	a Set A is n the number of				
13.	If the number of elements it	a Set A is it the second				
	elements in $P(A) = $	(c) 4^n (d) 5^n				
	(a) 3^n (b) 2^n	d the Set				
14.	A Set with no element is calle	(a) Null (d) Power				
	(a) Equal (b) Sub	(c) Null (d) Fower				

9	Chapter 1 # S	ets		5	
1	5. $(A')' = _{}$				•
	(a) B'	(b) U	(c) II'	(d) A	
1	In genera	lly Cartesian p	roduct of Sets	A and B; $A \times I$	8
	B	× A.	or both	7 2,	
	(a) =	(b) >	(c) ≠	(d) <	
. 17	7. If E = {2 Se	2, 4, 6,	.) and $O = {$	1,3,5,} are	3
	(a) Equal	(b) Equiva	lent (c) Sub	(d) Null	
18	$AU\phi = \phi U$	A =	_	1.	
		(b) A'	(c) φ	(d) U	
19	. AUA' =				
	(a) U	(b) N	(c) U '	(d) B	
20.	. A∩A =				
	(a) C'		(c) φ	(d) A	
21.	The Cartesi	an Coordinate	System is also	Known as	
	Coordinate	System.			
	(a) Denary		(b) Binary		
	(c) Rectang	ular	(d) Function	on	
22.	If $(x - 2, 6)$	= (4, y + 2) the	n the value of	$x = \underline{\hspace{1cm}}$ and y	
	=				
			(c) - 6 & -	- 4(d) -3 & -2	
23.	A - B =				
,	(a) $\{x \mid x \in$	$C; ^x \in D$.	(b) {x x ∈	A; ^ x ∉ B}	
	$(c) \{ x x \in$	$A; ^x \in D\}$	(d) { x x ∈	$A; ^x \in C$	
24.		n AUB =	 •		
r	(a) A	(b) C	(c) D	(d) B	
25.	If $A \subseteq B$ then	n A∩B =	_•		
	(a) B	(b) C	(c) A	(d) D	
26.	Two Sets are	Said to be equ	ial if and only	if they have the	
	same	 ·			
	(a) elements		(b) equal		
	(c) power		(d) None of		
27.		on of two overl			
		(b) Non-Emp			
28.	If $U = \{1,2,3,$	4 }; $A = \{1,2\}$	and $B = \{2,3\}$	then find A'UB'	
	=			: v. m.	
	(a) A	(b) U	(c) $\{1,3,4\}$	(d) B*	

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64.	by distributive property of Ca	artesian product over Union.				
	$\mathbf{A} \times (\mathbf{BUC}) = \underline{}$	_				
	(a) $(A \times A) \cap (B \times C)$					
	(c) $(B \times B) \cap (A \times A)$	(d) $(\mathbf{A} \times \mathbf{B}) \cup (\mathbf{A} \times \mathbf{C})$				
65.	by distributive property	of Cartesian product over				
,	intersection $A \times (B \cap C) = $					
	(a) $(A \times B) \cap (A \times C)$	(b) $(A \times B) U (A \times C)$				
	(c) $(A \times A) \cap (B \times C)$	(d) $(A \times A) \cup (B \times C)$				
66 .	by distributive property of	the Cartesian product over				
	Complement $(A - B) \times C = $	<u> </u>				
	(a) $(A \times C) - (B \times C)$	(b) $(A \times B) - (B \times C)$				
	(c) $(A \times C) - (A \times B)$	(d) $(\mathbf{B} \times \mathbf{A}) - (\mathbf{A} \times \mathbf{C})$				
67.	If $O(A) = m$, $O(B) = n$ then	n the number of Ordered pairs				
	in A × B is					
	(a) mp (b) mm	(c) nm (d) nn				
68.	Set {1} is Set.					
	(a) Nu!l (b) Super	(c) Equal (d) Singleton				
69 .	If B is a Subset of Set A. the	en A is called a Set of				
	B denoted by $A \subset B$.	•				
	(a) Super	(b) Sub				
	(c) Equal	(d) None of these				
70.						
	= FUG then					
	(a) $F \subset G$ (b) $F \subseteq G$	(c) $F = G$ (d) $F < G$				
71.	$\{x \mid x = \frac{P}{q} : P, q \in Z; q \neq 0\}$					
	•	(c) Complex (d) Rational				
72.	If $A = \{ x \mid x^2 = 16 \text{ and } 2x \}$	= 4} then A is called				
	Set.					
	(a) Null (b) Equal	(c) Super (d) Sub				
73.	The Complement of a S	et A, denoted by A' is the				
	difference $U - A$ is $A' = U$	_				
		(b) $\{x \mid x \in U \text{ and } x \notin A\}$				
		(d) $\{x \mid x \in U \text{ and } x \notin B\}$				
	(C) { X X U allu X e D /	(a) (v) v C C and V F D)				

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	(a)	2.	(b)	3.	(c)	4.	(c)	5.	(a)
6.	(d)	7.	(c)	8.	(b)	9.	(c)	10.	(d)
11.	(b)	12.	(d)	13.	(b)	14.	(c)	15.	(<i>d</i>)
16.	(c)	17.	<i>(b)</i>	18.	(a)	19.	(a)	20.	(d)
21.	(c)	22.	(a)	23.	<i>(b)</i>	24.	(d)	25.	(c)
26.	(a)	27.	(b)	28.	(c)	29.	(a)	30.	(a)
31.	(c)	32.	(d)	33.	(b)	34.	(c)	35.	(b)
36.	(d)	37.	(c)	38.	(a)	39.	(a)	40.	(b)
41.	(c)	42.	(c)	43.	(b)	44.	(a)	45.	(a)
46.	(d)	47.	(b)	48.	(b)	49.	(c)	50.	(c)
51.	(a)	52.	(b)	53.	(d)	54.	(b)	×55.	(a)
56.	(b)	57.	(b)	58.	(a)	59.	(d)	60.	(c)
61.	(c)	62.	(d)	63.	(c)	64.	(d)	65.	(a)
66.	(a)	67.	(b)	68.	(d)	69.	(a)	70.	(c)
71.	(d)	72.	(a)	73.	(b)	3 .			