

MAHESH SIR'S NOTES - 7798364224

			Sm	art DPPs
3	COACHING			
10.	The negation of the praim of the praim of the praim of the prime, the c) 2 is not prime and 3	oposition "If 2 is prime, t en 3 is not odd is odd	then 3 is odd" is b) 2 is prime and 3 is n d) If 2 is not prime, the	ot odd n 3 is odd
11.	If p, q , and r are simple propositions with truth values T,F,T, then the truth value of $(\sim p \lor q) \land \land \sim q \rightarrow$			
p is	a) True	b) False	c) True, if <i>r</i> is false	d) None of these
12.	Switching function Switching function a = c + b b = c + c c = c	of the network is $(\land c')$ $(\lor c')$	b) $(a \land b) \lor c \lor (a' \land b)$ d) None of the above	′∧c)
13.	The negation of the practice	oposition $q \lor \sim (p \land r)$ is b) $\sim q \land (p \land r)$	c) ~ $p \lor ~ q \lor ~ r$	d) None of these
14.	 Which of the following pairs are logically equivalent? a) Conditional, Contrapositive b) Conditional, Inverse c) Contrapositive, Converse d) Inverse, Contrapositive 			
15.	The statement (~ $p \land q$ a) $p \lor q$	q) V~ q is b) p ∧ q	c) ~ $(p \lor q)$	d) ~ $(p \land q)$
16.	\sim [($p \land q$) → ($\sim p \lor q$)] a) Tautology	is b) Contradiction	c) neither (a) nor (b)	d) either (a) or (b)
17.	If $p \rightarrow (q \lor r)$ is false, t a) F, T, T	then the truth values of p	o, q, r are respectively c) T, F, F	d) F, F, F
18.	Let <i>R</i> be the set of real a) Open statement	numbers and $x \in R$. The b) A true statement	en, $x + 3 = 8$ is c) False statement	d) None of these
19. Which of the following not a statement in logic? 1. Earth is planet. 2. Plants are living objects. 3. $\sqrt{-3}$ is a rational number. 4. $x^2 - 5x + 6 < 0$, when $x \in -R$.				
20.	Dual of $(x \land y) \lor (x \land x)$	$1) = x \land x \lor y \land y \text{ is}$	b) $(r \wedge v) \wedge (r \vee 1) = r$	$u_{1} + v_{2} + v_{3} + v_{4} + v_{4$
	c) $(x \lor y) \lor (x \lor 0) = x \lor (x \land y) \lor y$		d) None of the above	