Group 'A' Rewrite the correct option in your answer sheet				cct	[1x4=4]	The state of the s	· Organia
1. Which of the following is not an indeterminate form?							
	a. 🚾	b. 0	c, ∞ + ∞		d, ∞ ⁰	***	Transco
2.	The statement	$\sim (n \land a)$ is log	-	ent to	u , •••		1 23 13
	a. ~p ∧ ~q		c. $\sim p \wedge q$		d nv ~a	1 1 1	
3	The value of lin		c. priq		d. <i>p</i> ∨ ~q	X	V W 10
٠.	A THE VALUE OF THE	11 x-2 15				().	, ()
	<u>, </u>	b. 80	c. 16	79,	d. does not exis	st .	1 . 22 .
4.	. Which points are the same sides of the line $x - y + 1 = 0$?						
	a.(3,2), (-3,1)		b. (-3,1), (and the state of t	~ • • • •	On.
	c. (2,2), (3, -1)		d. (0,0), (–	•		1e · 1 :	.1
		Grou	1p 'B'		[4x5=20]	ye 5 '	q -1
5.	Define limit of a	function. Eva	aluate: lim 🛣	$-\sqrt{8-x^2}$	•	+4] ~) . ′ .	
5.	Verify with the	truth table the	$x \rightarrow 2 \sqrt{x}$	(2+12-4)		· -1	
•	Verify with the	c stands for co	ntradiction	[p // (~q	$(i) \rightarrow c_j$ is a tau	itology, where	p & q are the
7.	statements and c stands for contradiction. [5] a. Find the value of k if the length of perpendicular from (2,-3) on the line $2x + ky + 3 = 0$ i						
,	3.		ngui or perpe	Jimcula	noin (2,-3) on	the line 2x +	ky + 3 = 0 1
	b. If p be the len	gth of pemeno	licular dropp	ed from	the origin on th		4
	b. If p be the len	Bar or perpetit	actial Gropp		the origin on th	$c_{\text{inc}} = + \frac{1}{b} =$	1, prove that
	$\frac{1}{a^2} + \frac{1}{b^2} = \frac{1}{p^2}$.			[3]		,	
·-	Find the equatio	n of bisectors	of the angle 1	between	the straight line	es $3x - 4y + 3$	3 = 0 & 12x
	5y-1=0 and	d point ou	it the bise	ector o	of the angle	in which	origin lie
rin Vert	[3+2]				A STATE OF THE STA		
		_		*			
\	77714 4h !	Group		S,	[2x8=16]		
	a. What are the i			,i -		[1]	V
	b. If $A = \{a, b, c\}$			14		[1]	6.7
	c. Evaluate: lim				September 1	[2]	
If p & p' be the length of perpendiculars from the origin upon the							
straight lines $x \sec \theta + y \csc \theta = a \& x \cos \theta - y \sin \theta = a \cos 2\theta$,							
	prove that 4p2 -	$+ p'^2 = a^2$			[4]	•	
0.	a. Evaluate: lim	r2-x+6	2-5×+6		[2]		10 North 1 - Market
		rr-x-2	diction with	evenni			
,	b. Define tautolo	By and contra		example	anow that the	con	npound
	statement (p -	71) N (4 - T)	$\rightarrow (\mu \rightarrow r)$ is	a iaulo	***		
					[1+1+4]	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

▼End of Question▼