	Chapter > Indeterminate forms				
X	Multiple Choice Questions :-				
Q+1	TI O O O O O O O O O O O O O O O O O O O				
CX7I	The value of $\lim_{x\to\infty} \frac{\log x}{x^n}$, $n>0$ is;				
	a) ∞ b) $-\infty$				
-	c) 1 (1 d) 10 to suffer di (10)				
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Q+2	The value of lim tan 5x is;				
	x > 0 x				
	a) 0 b) 1				
-	c) 5 - d) 1/5				
Q+3	7				
	$\alpha \rightarrow 0$ α				
)	equal to ;				
	a), 7 = 1 (a) (b) 0 .Jan 44 2				
	c) -1 d) ½/2				
	± 6.1				
Q+4	The integer p for which lim Px+sinz is finite is;				
,	a) 0				
	14 (3				
Q+5	The value of lim { (osh'x - togx} is;				
	X→6				
	a) log 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	c) log 3 d) 0				
Q→6	The value of im 12e is;				
	a) 1 b), ile 1				
	c) e ² d)-10				

.)	
Q -> 7	The value of lim {(03x} 15;
	a) 0 c) -1 d) 2
Ø>8	The value of $\lim_{x\to 0} (1-x^x)$ is:
35.	a) 0 b) 1 c) -1 d) 1/2
Q+9	$x \rightarrow \infty$ $\downarrow x^2 \rightarrow \downarrow$
	a) 0 c) -1 d) 1/2
Q+10	The value of $\lim_{x\to 0} (e^{3x} - 5x)^{1/x}$ is $= i$
়িল পু	a) 0 b) \pm c) e^{-2} d) e^{2}
Q->11	The value of $\lim_{x\to 0} \frac{ x }{x}$ is ;
	a) 0 b) ±1 c) 7 d) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Q=12	The value of $\lim_{x\to\infty} (x)^{1/x}$ is ;
	a) ∞ b) -∞ c) 1 d) 0
© ⇒13	The value of $\lim_{n\to\infty} \{1+\frac{1}{n}\}^n$ is;
	a) 1 c) e

=	
<u>(Q</u> →14	The value of fin (Cosx)
	The value of $\lim_{x\to\pi/2} \frac{\cos x}{x-\pi/2}$ is;
	c/ a
	0/ 1-
	(c) -1 $d)$ $\pi/2$
[no]	Call and
Q>15	- CSINY
	The value of $\lim_{x\to 0} \left(\frac{1}{x}\right)$ is ;
20	a) 1 b) o
	(c) ∞ (d) -1
- M N (1/2
Q+16	The value of 11m (12+2+32) 15;
	1/2
	(c) 1 d) 0
Q-17	The value of lim sin(x-6) is;
	$x \rightarrow 6$ $x \rightarrow 6$
	a) 0 1 b) 1
	c) -1 d) 0.5
- O > 10	TI 1 Cotx
Ø→18	The value of $\lim_{x\to 0} (\cos x)^{\cot x}$ is;
	12
	a) e b) le c) 1/se d) 1/e
	We safe have a trop in waster and the bart to the
Q+19	The value of $\lim_{x \to \infty} (1+\frac{a}{x})^x = 15$;
6	Lander Rule in the retire
	a) a.e 6) a
	c) loga d) ea
1	d=1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1
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Q+20	find the value of lim (= 1) is;				
	a) 2 b) 1 (
	c) o d) undefined				
Q->21	find the value of lim In(I+x1) is;				
	5€→0				
	a) 1 b) - 1				
	c) undefined d) 0				
	1 2 2				
Q+22	find the value of $\lim_{x\to -2} \frac{\sin(x-2)}{(x+2)^2}$				
	a) 1 b) 0 c) 0 d) -2				
O	find the value of 1 im { 1 a + 2 a + + (n-1) m}				
Q.→23	find the value of $\lim_{n\to\infty} \{1^a+2^a+\ldots+(n-1)^n\}$				
	- 1				
	a) 1 b) $\frac{1}{(a+i)}$ c) 01 d) ∞				
	C. (b)				
Q→24	find the value of lim sin { sin(x)}				
Q 729	$\frac{1}{\alpha}$				
	a) 1 b) (x)				
	c) 0 d) -1				
	1) He				
Q -3 25	find the relation between a and I such that the				
	Rollowing limit is got after a single application of				
	L'Hospitals Rule, lim aex + bezx				
	be + ae2x of the				
	(a) $b/a = 2$ (b) $a/b = 2$				
	c) a=b d) a=-b				

4				
***	Answers :-	{ Indeterminate	form?	
	mmmm			
	1)- (d)		14) - (c)	
	2) - (c)		15) - (a)	- 1
	3) - (P)		16)- (b)	
	4) - (a)		17)- (b)	
- /	5) - (6)		18) - (c)	fee a land
	6) - (d)	v .	19) - (d)	
	7) - (a)		20) - (d)	**
	8) - (a)		21) - (d)	
	9) - (a)	,1	22) - (c)	
7.4	10) - (c)		23)-(b)	0.0
	11) - (6)		24) - (a)	
	12)- (c)		25) - (d)	- 1
	13)- (c)	2.22		