



CTQ - 2023

CTQ : Concept Through Questions

Year : 2023

Topic : Limit I



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[NIMCET 2017]

30. Evaluate $\lim_{x \rightarrow 0} \frac{x \tan x}{(1 - \cos x)}$

Video Solution

[NIMCET 2017]

Video Solution

[NIMCET 2017]

Video Solution

[NIMCET 2018]

Video Solution

[NIMCET 2018]

34. The set of points, where $f(x) = \frac{x}{1+|x|}$ is differentiable, is

(a) $(-\infty, -1) \cup (-1, \infty)$ (b) $(-\infty, \infty)$
 (c) $(0, \infty)$ (d) $(-\infty, 0) \cup (0, \infty)$

Video Solution

[NIMCET 2018]

35. $\lim_{x \rightarrow 3} \frac{\sqrt{3x}-3}{\sqrt{2x-4}-\sqrt{2}}$ is equal to

(a) $\sqrt{3}$ (b) $\frac{\sqrt{3}}{2}$
 (c) $\frac{1}{2\sqrt{2}}$ (d) $1/\sqrt{2}$

Video Solution

[NIMCET 2019]



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Answer Key

Ques.	1	2	3	4	5	6	7	8	9	10
Ans.	B	A	C	A	D	B	D	B	C	B
Ques.	11	12	13	14	15	16	17	18	19	20
Ans.	A	D	A	B	C	B	D	C	A	C
Ques.	21	22	23	24	25	26	27	28	29	30
Ans.	A	C	B	C	A	D	A	D	D	D
Ques.	31	32	33	34	35					
Ans.	A	A	B	B	D					