MTH645 - Fuzzy Logic and Applications (Quiz # 1) Quiz Start Time: 12:53 PM, 07 February 2022

Question # 1 of 5 (Start time: 12:53:31 PM, 07 February 2022) **Total Marks:** 1

If $x\Delta a = x\Delta b$ and $x=0$ this implies that _____.

Solve by Mahar Afaq Safdar Muhammadi

Select the correct option

Reload Math Equations

◉	a=b
○	a.a=a
○	b=1
○	a=1

Click to Save Answer & Move to Next Question

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MTH645 - Fuzzy Logic and Applications (Quiz # 1) **Quiz Start Time: 12:48 PM, 07 February 2022**

Question # 1 of 5 (Start time: 12:48:21 PM, 07 February 2022) **Total Marks:** 1

If $x \Delta y = x \Delta z$ and $x = 0$ this implies _____ .

Select the correct option

Reload Math Equations

◉	$y = z$
○	$x = y$
○	$x = 1$
○	$x = z$

Click to Save Answer & Move to Next Question

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MTH645 - Fuzzy Logic and Applications (Quiz # 1) **Quiz Start Time: 12:48 PM, 07 February 2022**

Question # 2 of 5 (Start time: 12:48:36 PM, 07 February 2022) **Total Marks:** 1

If $f(x) = e^{x-5}$, then a = _____.

Select the correct option

Reload Math Equations

○	e^{-1}
◉	e^{-5}
○	e
○	x

Click to Save Answer & Move to Next Question

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MTH645 - Fuzzy Logic and Applications (Quiz # 1) **Quiz Start Time: 12:48 PM, 07 February 2022**

Question # 4 of 5 (Start time: 12:49:01 PM, 07 February 2022) **Total Marks:** 1

A fuzzy binary relation R is reflexive if _____.

Select the correct option

Reload Math Equations

◉	R(0.5,0.5)=1
○	R(0.5,0.5)=0.5
○	R(0.5,0.5)=0.1
○	R(0.5,0.5)=0

Click to Save Answer & Move to Next Question

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MTH645 – Fuzzy Logic and Applications (Quiz # 1) **Quiz Start Time: 12:48 PM, 07 February 2022**

Question # 5 of 5 (Start time: 12:49:08 PM, 07 February 2022) **Total Marks:** 1

If $f(x)=e^{(x-10)}$, then $f^{-1}(x)$ = _____.

Select the correct option

Reload Math Equations

○	1000+lnx
◉	10+lnx
○	100+lnx
○	10000+lnx

Click to Save Answer & Move to Next Question

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MTH645 - Fuzzy Logic and Applications (Quiz # 1) Quiz Start Time: 12:56 PM, 07 February 2022

Question # 1 of 5 (Start time: 12:56:41 PM, 07 February 2022) **Total Marks:** 1

$a \in (0,1)$ is called zero divisor of t-norm Δ if $\exists, b \in (0,1)$ such that _____.

Select the correct option

Reload Math Equations

◉	$a \Delta b = 0$
○	$a \Delta b = b$
○	$a \Delta b = a$
○	$a \Delta b = 1$

Click to Save Answer & Move to Next Question

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MTH645 - Fuzzy Logic and Applications (Quiz # 1) **Quiz Start Time: 12:56 PM, 07 February 2022**

Question # 3 of 5 (Start time: 12:57:12 PM, 07 February 2022) **Total Marks:** 1

In t-norm $x\Delta y = xy$, the zero divisors a and b satisfy _____.

Select the correct option

Reload Math Equations

○	$a\Delta b=a$
◉	$a\Delta b=0$
○	$a\Delta b=b$
○	$a\Delta b=1$

Click to Save Answer & Move to Next Question

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MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Quiz Start Time: 01:03 PM, 07 February 2022

Question # 3 of 5 (Start time: 01:05:08 PM, 07 February 2022) **Total Marks:** 1

If $f(x)= e^{x-50}$, then a = _____.

Select the correct option

Reload Math Equations

◉	e^{-50}
○	e^{-x-50}
○	lnx-50
○	x-50

Click to Save Answer & Move to Next Question

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MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Quiz Start Time: 11:20 AM, 07 February 2022

Question # 5 of 5 (Start time: 11:24:01 AM, 07 February 2022)

Total Marks: 1

A fuzzy binary relation R is reflexive if _____.

Select the correct option

Reload Math Equations

○	$R(x,y)=R(y,z)$
○	$R(x,y)=0$
○	$R(x,y)=R(y,x)$
◉	$R(x,x)=1$

Click to Save Answer & Move to Next Question

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