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MTH645 - Fuzzy Logic and Applications (Quiz # 1) **Quiz Start Time: 11:20 AM, 07 February 2022**

Question # 2 of 5 (Start time: 11:21:46 AM, 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

- $x = 1$
- $x = y$
- $x = z$
- $y = z$ ✓

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Quiz Start Time: 11:20 AM

Question # 1 of 5 (Start time: 11:20:29 AM, 07 February 2022)

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

Select the correct option

Reload

- x
- e^{-5} ✓
- e^{-1}
- e

Click to Save Answer & Move

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

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

MTH645 - Fuzzy Logic and Applications (Quiz # 1) **Quiz Start Time: 11:20 AM, 07 February 2022**

Question # 4 of 5 (Start time: 11:22:55 AM, 07 February 2022) **Total Marks:** 1

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

Select the correct option

Reload Math Equations

- 100+lnx
- 1000+lnx
- 10+lnx ✓
- 10000+lnx

MTH645 - Fuzzy Logic and Applications (Quiz # 1) **Quiz Start Time: 11:20 AM, 07 February 2022**

Question # 3 of 5 (Start time: 11:22:33 AM, 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

- $a\Delta b=a$
- $a\Delta b=1$
- $a\Delta b=b$
- $a\Delta b=0$ ✓

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MC200203588: MUHAMMAD SOHAIL

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 1 of 5 (Start time: 12:43:51 PM, 07 February 2022)

In t-norm xΔy =xy, the zero divisors a and b satisfy _____.

Select the correct option

○	aΔb=0
○	aΔb=b
○	aΔb=a
○	aΔb=1

4G 4G 12:44 0.40 KB/s 68

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MC200203588: MUHAMMAD SOHAIL

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 2 of 5 (Start time: 12:44:31 PM, 07 February 2022)

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

Select the correct option

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

4G 4G 12:45 41.8 KB/s 68
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MC200203588: MUHAMMAD SOHAIL

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 3 of 5 (Start time: 12:45:13 PM, 07 February 2022)

A fuzzy binary relation R is reflexive if _____.

Select the correct option

○	R(x,y)=R(y,z)
○	R(x,y)=R(y,x)
○	R(x,y)=0
○	R(x,x)=1 ✓

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MC200203588: MUHAMMAD SOHAIL

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 4 of 5 (Start time: 12:45:47 PM, 07 February

A fuzzy binary relation R is reflexive if _____

Select the correct option

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

MC200200000: MUHAMMAD SOHAIL

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 5 of 5 (Start time: 12:46:21 PM, 07 Febru

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

Select the correct option

○	e
○	e^{-5} ✓
○	x
○	e^{-1}

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Apps 2.2: Classification of...

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 2 of 5 (Start time: 11:21:46 AM, 07 February 2022)

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

Select the correct option

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

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Apps 2.2: Classification of...

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 3 of 5 (Start time: 11:22:33 AM, 07 February 2022)

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

Select the correct option

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

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 4 of 5 (Start time: 11:22:55 AM, 07 February 2022)

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

Select the correct option

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

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

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

A fuzzy binary relation R is reflexive if _____.

Select the correct option

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

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Question # 1 of 5 (Start time: 11:20:29 AM, 07 February 2022)

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

Select the correct option

○	x
●	e^{-5} ✓
○	e^{-1}
○	e

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25

MC200200605: ASAD NAZIR

Time Left 83 sec(s)

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Quiz Start Time: 11:26 PM, 06 February 2022

Question # 1 of 5 (Start time: 11:26:41 PM, 06 February 2022)

Total Marks: 1

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

Select the correct option

Reload Math Equations

- a.a=a
- b=1
- a=b
- a=1

Click to Save Answer & Move to Next Question

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MC200200605: ASAD NAZIR

Time Left 32 sec(s)

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Quiz Start Time: 11:26 PM, 06 February 2022

Question # 5 of 5 (Start time: 11:34:34 PM, 06 February 2022)

Total Marks: 1

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

Select the correct option

Reload Math Equations

- e^{-x-50}
- x-50
- e^{-50}
- lnx-50

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MC200200605: ASAD NAZIR

Time Left

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Quiz Start Time: 11:26 PM, 06 Febru

Question # 4 of 5 (Start time: 11:32:37 PM, 06 February 2022)

Tota

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

Select the correct option

Reload Math Eq

- $a\Delta b=b$
- $a\Delta b=a$
- $a\Delta b=0$ ✓
- $a\Delta b=1$

Click to Save Answer & Move to Next Que

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MC200200605: ASAD NAZIR

Time Left 67 sec(s)

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Quiz Start Time: 11:26 PM, 06 February 2022

Question # 3 of 5 (Start time: 11:30:36 PM, 06 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)=0
- R(0.5,0.5)=0.5
- R(0.5,0.5)=1 ✓
- R(0.5,0.5)=0.1

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25

MC200200605: ASAD NAZIR

Time Left 86 sec(s)

MTH645 - Fuzzy Logic and Applications (Quiz # 1)

Quiz Start Time: 11:26 PM, 06 February 2022

Question # 2 of 5 (Start time: 11:28:45 PM, 06 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

- $a \Delta b = b$
- $a \Delta b = 1$
- $a \Delta b = 0$ ✓
- $a \Delta b = a$

Click to Save Answer & Move to Next Question