

Learning4help by Waqas

Asslam-o-Alaikum! In this file we'll provide you **MTH202 Most Important &100% Correct Midterm MCQs Verified by Myself and Handouts As well (but I am not responsible for any answer you should verify yourself too). Must Prepare Before Midterm Exams.** Local Students (Muzaffargarh) can also avail

Physical classes as well.

If you found mistake then let us know.

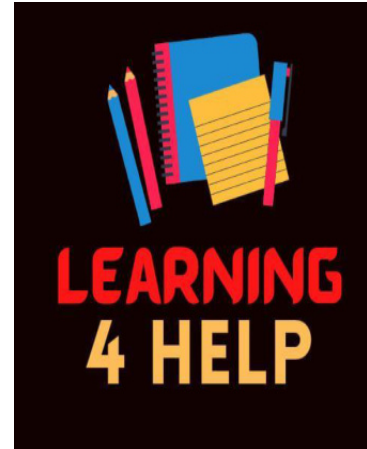
You can contact us on WhatsApp <https://wa.me/+923421718143>

Or You can send us Gmail: Learningn4help@gmail.com

Facebook page is <https://m.facebook.com/WAQASQURESHI34555/>

For more educational stuff keep visiting

<https://learning4help.com>



Subscribe to my Channel:

https://www.youtube.com/channel/UC_CGyvwKgSGACQHPuq-951Q

Learning4Help By Waqas Qureshi BY 03421718143

VIRTUAL UNIVERSITY OF PAKISTAN

SERVICES:



**LEARN4
HELP**

- Assignments
- Quizzes
- GDBs
- LMS Handling
- Projects Making
- projects preparation
- online Tuition

We always do our best in serving our students and give them satisfied impressions.



CALL US NOW!



0342-1718143



www.learning4help.com

Learning4Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 04:09 PM, 03 December 2023

Question # 1 of 10 (Start time: 04:09:28 PM, 03 December 2023) Total Marks: 1

Let $f(x) = x^2 - 1$ and $g(x) = x + 1$ define functions f and g from R to R , then $\left(\frac{f}{g}\right)(x)$ is ____.

Select the correct option Reload Math Equations

<input type="radio"/>	$x + 1$
<input type="radio"/>	$x^2 - 1$
<input checked="" type="radio"/>	$x - 1$
<input type="radio"/>	$x^2 + 1$

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 05:30 PM, 02 December 2023

Question # 10 of 10 (Start time: 05:39:26 PM, 02 December 2023) Total Marks: 1

The relation $R = \{(2, 4), (x, 1), (4, 2), (5, 6)\}$ is a function if x is not equal to

Select the correct option Reload Math Equations

<input checked="" type="radio"/>	4, 1 or 6
<input type="radio"/>	2, 4 or 5
<input type="radio"/>	2, 4 or 6
<input type="radio"/>	1, 2 or 6

Learning Help By Waqas Qureshi BY 03421718143

Question # 10 of 10 (Start time: 09:49:04 PM, 04 June 2023)

Total Marks: 1

Let $f(x) = x + 3$ then $f^{-1}(x)$ is

Select the correct option

Reload Math Equations

- $x + 3$
- $3 - x$
- $2x - 3$
- $x - 3$

Click to Save Answer & Move to Next Question

If 1st term of a geometric sequence is 2 and common ratio is $1/2$, then 3rd term of sequence is

Select the correct option

- 0
- $1/4$
- 2
- $1/2$

Learning Help By Waqas Qureshi BY 03421718143

Question # 8 of 10 (Start time: 09:46:28 PM, 04 June 2023)

Total Marks: 1

Let $X = \{1,2,3,4\}$ and a function 'f' defined from X to X by $f(1) = 1, f(2) = 1, f(3) = 1, f(4) = 1$ then which of the following is true?

Select the correct option

- f is bijective
- f is a constant function
- f is injective
- f is an identity function

Question # 7 of 10 (Start time: 09:44:57 PM, 04 June 2023)

Total Marks: 1

A set is countably infinite if, and only if, it has the same cardinality as the set of

Select the correct option

- real numbers
- positive integers
- integers
- whole numbers

Learning Help By Waqas Qureshi BY 03421718143

Question # 6 of 10 (Start time: 09:43:27 PM, 04 June 2023)

Total Marks: 1

Common ratio in the sequence "4, 16, 64, 256, ..." is

Select the correct option

Reload Math Equations

- 12
- 1/4
- 4
- 3

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 09:42:48 PM, 04 June 2023)

Total Marks: 1

A constant function is surjective if and only if.....

Select the correct option

- The domain consists of more than one elements.
- The co domain consists of a single element
- The co domain consists of more than one elements.
- The domain consists of a single element.

Learning Help By Waqas Qureshi BY 03421718143

Question # 4 of 10 (Start time: 09:42:15 PM, 04 June 2023)

Total Marks: 1

If $f(x) = 4x - 8$, find $f(5)$

Select the correct option

- 14
- 12
- 15
- 18

Question # 3 of 10 (Start time: 09:40:57 PM, 04 June 2023)

Total Marks: 1

If $f(x) = \sin^{-1}(x)$ and $g(x) = \sin x$ then $g \circ f(x)$ is.....

Select the correct option

Reload Math Equations

- 1
- $\sin^{-1}(\cos x)$
- $\cos^{-1}(\sin x)$
- x

Click to Save Answer & Move to Next Question

Learning Help By Waqas Qureshi BY 03421718143

Question # 2 of 10 (Start time: 09:39:49 PM, 04 June 2023)

Total Marks: 1

The two functions 'f' and 'g' are equal if _____

Select the correct option

Reload Math Equations

- $f(x) = 3x$ and $g(x) = \frac{6x^2+3x}{2x^2+1}$ for all $x \in \mathbb{R}$
- $f(x) = 3x$ and $g(x) = \frac{6x^2+3x}{2x+1}$ for all $x \in \mathbb{R}$
- $f(x) = 3x$ and $g(x) = \frac{6x^2+3x^2}{2x+1}$ for all $x \in \mathbb{R}$
- $f(x) = 3x$ and $g(x) = \frac{6x^2+3x}{2x}$ for all $x \in \mathbb{R}$

Question # 1 of 10 (Start time: 09:39:15 PM, 04 June 2023)

Total Marks: 1

Domain and range are same for _____

Select the correct option

- None of these.
- Identity Function
- Linear Function

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

WIRAZOZ - Discrete Mathematics (Quiz 2) QUIZ START TIME: 05:30 PM, 02 DECEMBER 2023

Question # 8 of 10 (Start time: 05:37:22 PM, 02 December 2023) Total Marks: 1

If f is a bijective function then $(f^{-1}(f(x)))$ is equal to _____

Select the correct option

None of these

1

x

0

Reload Math Equations

Click to Save Answer & Move to Next Question

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Question # 7 of 10 (Start time: 05:36:55 PM, 02 December 2023) Total Marks: 1

Inverse of a function may not be a function.

Select the correct option

True

False

Learning Help By Waqas Qureshi BY 03421718143

Time Left: 00:00:00
sec(s)

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 05:30 PM, 02 December 2023

Question # 6 of 10 (Start time: 05:36:05 PM, 02 December 2023) Total Marks: 1

Subtraction (-) is a binary operation on the set of integers.

Select the correct option [Reload Math Equations](#)

<input type="radio"/>	False
<input checked="" type="radio"/>	True

Question # 5 of 10 (Start time: 05:35:30 PM, 02 December 2023) Total Marks: 1

Let C is defined as the set of all countries in the world then C is a _____

Select the correct option

<input type="radio"/>	Infinite set
<input checked="" type="radio"/>	Finite set

Learning Help By Waqas Qureshi BY 03421718143

Question # 4 of 10 (Start time: 05:34:35 PM, 02 December 2023) Total Marks: 1

Vertical line test is used to determine that whether the graph of a relation is a function or not.

Select the correct option

<input checked="" type="radio"/>	True
<input type="radio"/>	False

Question # 3 of 10 (Start time: 05:33:28 PM, 02 December 2023) Total Marks: 1

Let A be a set with m elements and B be a set with n elements then the number of elements in $A \times B$ are _____

Select the correct option

<input checked="" type="radio"/>	$m \cdot n$
<input type="radio"/>	n^m
<input type="radio"/>	m^n
<input type="radio"/>	2^{mn}

[Reload Math Equations](#)

[Click to Save Answer & Move to Next Question](#)

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Question # 2 of 10 (Start time: 05:31:58 PM, 02 December 2023) Total Marks: |

If A is defined as the set of English alphabets then the cardinality of A is

Select the correct option

- None of these
- 1
- 26
- 0

Search

New folder Some Previous ... Quiz - Opera Bandicam

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 05:30 PM, 02 December 2023

Question # 1 of 10 (Start time: 05:30:52 PM, 02 December 2023) Total Marks: |

A function is bijective if it is

Select the correct option

- one to one but not onto
- not one to one and not onto
- one to one and onto
- not one to one but onto

Reload Math Equations

Search

New folder Some Previous ... Quiz - Opera Bandicam

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Question # 10 of 10 (Start time: 04:32:38 PM, 25 November 2023) Total Marks: 1

Which of the following is not a representation of a Relation?

Select the correct option

- Directed graph
- Coordinate diagram
- Arrow diagram
- Venn diagram

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 1) Quiz Start Time: 04:22 PM, 25 November 2023

Question # 9 of 10 (Start time: 04:30:43 PM, 25 November 2023) Total Marks: 1

Let $A = \{1, 2, 3, 4\}$ and define a relation R on A by $R = \{(1, 1), (1, 2), (1, 3), (2, 3)\}$. Then which one of the following is a correct statement about R ?

Select the correct option

- R is neither reflexive nor transitive
- R is transitive
- R is reflexive
- R is both transitive and reflexive

BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Question # 8 of 10 (Start time: 04:29:45 PM, 25 November 2023) **Total Marks: 1**

let R be the universal relation on a set A then which one of the following statement about R is true?

Select the correct option

- R is reflexive, symmetric and transitive.
- R is not reflexive
- R is not symmetric
- R is not transitive

Search File Explorer Quiz - Opera Bandicam PDF Combine Login IMS.txt Capture7.PNG GBP/U... 4:30 PM Saturday 11/25/2023

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Question # 7 of 10 (Start time: 04:28:44 PM, 25 November 2023) **Total Marks: 1**

Composite Relation symbolically written as

Select the correct option

- $SoR = \{(a,c) | a \in A, c \in C, \exists b \in B, (a,b) \in R \text{ and } (b,c) \in S\}$
- None of the above
- $SoR = \{(a,c) | a \in A, c \in C, \exists b \in B, (a,b) \in R \text{ and } (b,c) \notin S\}$
- $SoR = \{(a,c) | a \in A, c \in C, \exists b \in B, (a,b) \in R \text{ and } (b,c) \in S\}$

Search File Explorer Quiz - Opera Bandicam PDF Combine Login IMS.txt Capture7.PNG 23°C 4:29 PM Saturday 11/25/2023

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 1) Quiz Start Time: 04:22 PM, 25 November 2023

Question # 6 of 10 (Start time: 04:28:03 PM, 25 November 2023) Total Marks: 1

If $A = \{1, 2, 3\}$ is a set and $R = \{(1, 2), (2, 2), (2, 1)\}$ is a relation on A, R is

Select the correct option

- None of these
- Symmetric
- Transitive
- Reflexive

Reload Math Equations

Click to Save Answer & Move to Next Question

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 1) Quiz Start Time: 04:22 PM, 25 November 2023

Question # 5 of 10 (Start time: 04:27:18 PM, 25 November 2023) Total Marks: 1

For $(2x-3, 4y+2) = (1, 10)$, what will be the value of x and y?

Select the correct option

- (1, 2)
- (3, 4)
- None of these
- (2, 2)

Reload Math Equations

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 1) time left sec(s)

Quiz Start Time: 04:22 PM, 25 November 2023

Question # 5 of 10 (Start time: 04:27:18 PM, 25 November 2023) Total Marks: 1

For $(2x-3, 4y+2)=(1,10)$, what will be the value of x and y?

Select the correct option Reload Math Equations

- (1, 2)
- (3, 4)
- None of these
- (2, 2)

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 1) time left sec(s)

Quiz Start Time: 04:22 PM, 25 November 2023

Question # 4 of 10 (Start time: 04:25:23 PM, 25 November 2023) Total Marks: 1

Let $R = \{(1,1), (2,2), (3,3), (1,3)\}$ be the relation on set $A=\{1,2,3\}$ then _____

Select the correct option Reload Math Equations

- R is not reflexive and not transitive
- R is not reflexive and transitive
- R is reflexive and transitive
- R is reflexive and not transitive

BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Let R be a binary relation on a set A.R is anti-symmetric iff -----.

Select the correct option

- a, b ∈ A if (a,b) ∈ R and (b,a) ∈ R then a = b
- a, b ∈ A if (a,b) ∈ R and (b,a) ∈ R then a ≠ b
- None of the above
- a, b ∈ A if (a,b) ∈ R and (b,a) ∈ R then a = b

Click to Save Answer & Move to Next Question

Search File Explorer Quiz - Opera Bandicam 4:23 PM Saturday 11/25/2023

PDF Combine Login IMS.txt ... Capture7.PNG ...

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Question # 2 of 10 (Start time: 04:22:58 PM, 25 November 2023) Total Marks: 1

Let the set A = {1,2,3,4} Then the relation {(2,4),(4,2)} is -----.

Select the correct option

- Reflexive
- Transitive
- AntiSymmetric
- Symmetric

Search File Explorer Quiz - Opera Bandicam 4:23 PM Saturday 11/25/2023

PDF Combine Login IMS.txt ... Capture7.PNG ...

Learning Help By Waqas Qureshi BY 03421718143

Question # 1 of 10 (Start time: 04:22:28 PM, 25 November 2023) Total Marks: 1

Domain of the relation $\{(0,1),(3,22),(90,34)\}$ is _____.

Select the correct option

- [0,1,3]
- [0,1,3,22,90,34]
- [0,3,90]
- [1,22,34]

Question # 10 of 10 (Start time: 07:45:46 PM, 03 December 2023) Total Marks: 1

A set is countably infinite if, and only if, it has the same cardinality as the set of _____.

Select the correct option

- integers
- real numbers
- positive integers
- whole numbers

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 07:36 PM, 03 December 2023

Question # 9 of 10 (Start time: 07:44:36 PM, 03 December 2023) Total Marks: 1

Suppose A has 3 elements and B has 4 elements, then the number of functions from A to B are.....

Select the correct option

Reload Math Equations

<input checked="" type="radio"/>	64
<input type="radio"/>	12
<input type="radio"/>	81
<input type="radio"/>	

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Question # 8 of 10 (Start time: 07:44:11 PM, 03 December 2023) Total Marks: 1

The logic gate NOT is a unary operation on {0,1}.

Select the correct option

<input checked="" type="radio"/>	True
<input type="radio"/>	False

Learning Help By Waqas Qureshi BY 03421718143

Question # 6 of 10 (Start time: 07:43:07 PM, 03 December 2023) Total Marks: |

input values of the function are called the _____

Select the correct option

- None of these.
- Domain
- Relation
- Range

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 07:36 PM, 03 December 2023

Question # 5 of 10 (Start time: 07:41:10 PM, 03 December 2023) Total Marks: 1

Suppose A has 3 elements and B has 4 elements, then the number of the binary relations from A to B that are functions is _____

Select the correct option Reload Math Equations

- $2^6 / 2^4$
- $2^6 / 2^{12}$
- $2^6 / 2^8$
- $2^4 / 2^6$

Click to Save Answer & Move to Next Question

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 07:36 PM, 03 December 2023

Question # 4 of 10 (Start time: 07:39:35 PM, 03 December 2023) Total Marks: 1

If $f: X \rightarrow Y$ and $g: Y \rightarrow Z$ are both onto functions. Then $g \circ f: X \rightarrow Z$ is _____.

Select the correct option Reload Math Equations

- bijective
- associative
- onto
- one - to - one

Learning Help By Waqas Qureshi BY 03421718143

Learning Help By Waqas Qureshi

Question # 3 of 10 (Start time: 07:38:28 PM, 03 December 2023) Total Marks: 1

Which of the following is not a binary operation on the set of Integers?

Select the correct option

- Multiplication
- Division
- Addition
- Subtraction

Question # 2 of 10 (Start time: 07:37:39 PM, 03 December 2023) Total Marks: 1

The relation $R = \{(2, 4), (x, 1), (4, 2), (5, 6)\}$ is a function if x is not equal to

Select the correct option

- 4, 1 or 6
- 1, 2 or 6
- 2, 4 or 5
- 2, 4 or 6

Click to Save Answer & Move to Next Question

WITNESS - DISCRETE MATHEMATICS (QUIZ 2) QUIZ START TIME: 07:38 PM, 03 DECEMBER 2023

BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

Question # 1 of 10 (Start time: 07:37:02 PM, 03 December 2023) Total Marks: 1

The set Z of all integers is _____.

Select the correct option

<input checked="" type="radio"/>	countable
<input type="radio"/>	uncountable

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Time Left: sec(s) Quiz Start Time: 04:09 PM, 03 December 2023

Question # 10 of 10 (Start time: 04:17:40 PM, 03 December 2023) Total Marks: 1

If $f(x) = x$ and $g(x) = -x$ are both one to one functions then $(f + g)(x)$ is also one to one function .

Select the correct option Reload Math Equations

<input checked="" type="radio"/>	False
<input type="radio"/>	True

BY 03421718143

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 04:09 PM, 03 December 2023

Question # 9 of 10 (Start time: 04:16:57 PM, 03 December 2023) Total Marks: 1

The set Z of all integers is countable.

Select the correct option

True

False

Windows Search | Ims ac | Some Previo... | Quiz - Opera | Bandicam | Login IMS.txt - N... | WhatsApp | Sunset... | 4:17 PM Sunday 12/3/2023

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 04:09 PM, 03 December 2023

Question # 9 of 10 (Start time: 04:16:57 PM, 03 December 2023) Total Marks: 1

The set Z of all integers is countable.

Select the correct option

True

False

Windows Search | Ims ac | Some Previo... | Quiz - Opera | Bandicam | Login IMS.txt - N... | WhatsApp | Sunset... | 4:17 PM Sunday 12/3/2023

Question # 8 of 10 (Start time: 04:15:29 PM, 03 December 2023) Total Marks: 1

Given a set X, define a function i from X to X by $i(x) = x$ from all x belonging to X. Then _____.

Select the correct option

- i is surjective but not injective
- i is neither injective nor surjective
- i is both injective and surjective
- i is injective but not surjective

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 04:09 PM, 03 December 2023

Question # 7 of 10 (Start time: 04:14:55 PM, 03 December 2023) Total Marks: 1

Which relations below are not functions?

Select the correct option

- $\{(3,1), (4,54), (5,71), (9,91)\}$
- $\{(13,14), (13,5), (16,7), (18,13)\}$
- $\{(-1,2), (-4,5), (1,2), (8,-51)\}$
- $\{(3,90), (4,54), (6,71), (8,90)\}$

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 04:09 PM, 03 December 2023

Question # 6 of 10 (Start time: 04:14:34 PM, 03 December 2023) Total Marks: 1

Inverse of a function may not be a function.

Select the correct option

False

True

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

ECO401_handouts_1... MTH 302 MTH603 Mid Term P... C5607AI_Complete... Microsoft Word - U... Introduction to Psyc... Microsoft Word - for... Second Language A...

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 04:09 PM, 03 December 2023

Question # 5 of 10 (Start time: 04:13:33 PM, 03 December 2023) Total Marks: 1

The two functions 'f' and 'g' are equal if _____

Select the correct option Reload Math Equations

$f(x) = 3x$ and $g(x) = \frac{6x^2 + 3x}{2x + 1}$ for all $x \in R$

$f(x) = 3x$ and $g(x) = \frac{6x^2 + 3x}{2x}$ for all $x \in R$

$f(x) = 3x$ and $g(x) = \frac{6x^2 + 3x}{2x^2 + 1}$ for all $x \in R$

$f(x) = 3x$ and $g(x) = \frac{6x^2 + 3x^2}{2x + 1}$ for all $x \in R$

BY 03421718143

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx

sec(s)
Quiz Start Time: 04:09 PM, 03 December 2023

MTH202 - Discrete Mathematics (Quiz 2)

Question # 4 of 10 (Start time: 04:12:31 PM, 03 December 2023) Total Marks: 1

A set is countable if, and only if, it is _____.

Select the correct option Reload Math Equations

- infinite
- finite or countably infinite
- finite
- countably infinite

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx

sec(s)
Quiz Start Time: 04:09 PM, 03 December 2023

MTH202 - Discrete Mathematics (Quiz 2)

Question # 3 of 10 (Start time: 04:11:04 PM, 03 December 2023) Total Marks: 1

Let $f(x) = 3x$ and $g(x) = 3x - 2$ define functions f and g from R to R , then $(f + g)(x)$ is _____.

Select the correct option Reload Math Equations

- 2
- $9x - 2$
- $9x^2 - 6x$
- $6x - 2$

Learning Help By Waqas Qureshi BY 03421718143

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

MTH202 - Discrete Mathematics (Quiz 2) Quiz Start Time: 04:09 PM, 03 December 2023

Question # 3 of 10 (Start time: 04:11:04 PM, 03 December 2023) Total Marks: 1

Let $f(x) = 3x$ and $g(x) = 3x - 2$ define functions f and g from R to R , then $(f + g)(x)$ is ____.

Select the correct option Reload Math Equations

<input type="radio"/>	2
<input type="radio"/>	$9x - 2$
<input type="radio"/>	$9x^2 - 6x$
<input checked="" type="radio"/>	$6x - 2$

vuims.vu.edu.pk/Quiz/QuizQuestion.aspx

Question # 2 of 10 (Start time: 04:10:33 PM, 03 December 2023) Total Marks: 1

A graph of a function f is one to one iff every horizontal line intersects the graph in at most one point.

Select the correct option

<input checked="" type="radio"/>	True
<input type="radio"/>	False

Learning Help By Waqas Qureshi BY 03421718143