

QUIZ # 01
MTH102(FALL-2021)

Total marks: 10

Due Date: December 17, 2021

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Quiz

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=f9cb4757-c0c5-44e0-9ce0-29221871b02b

Two matrices A and B are added. If

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Select the correct option

- ☐ both are rectangular
- ☐ no. of columns of A is equal to columns of B
- ☒ both have same order
- ☐ none

Click to Save Answer & Move to Next Question

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Quiz

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Question # 2 of 10 (Start time: 08:35:33 PM, 17 December 2021)

Total Marks: 1

For a Geometric Progression, if first term = 7 and common ratio = 3. Then the 4th term is _____.

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Select the correct option

- ☐ 121
- ☒ 189
- ☐ 144
- ☐ 16

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Quiz

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=cc960eab-83bf-42fb-ba2a-f7a04bf13588

If first term= $a=2$, common difference= $d=4$ and term number= $n=10$; then what is the value of 10th term in an arithmetic sequence?

Select the correct option

- ☐ 37
- ☐ 39
- ☒ 38
- ☐ 40

Click to Save Answer & Move to Next Question

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Quiz

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=cb2e45b8-3fc3-4a58-a17b-a9827e5195bb

If you have an arithmetic sequence, the first number is 3 and the common difference is 4, what is the 4th number in the sequence?

Select the correct option

- ☐ 13
- ☐ 17
- ☒ 15
- ☐ 19

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Quiz

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If matrix A has an order 2×5 and matrix B has an order 5×3 , then the order of a matrix $A \times B$ is _____.

Select the correct option

- ☐ 2×5
- ☐ 5×2
- ☒ 2×3
- ☐ 3×2

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Quiz

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MTH102 - Basic Algebra and Trigonometry (Quiz 1)

Quiz Start Time: 08:35 PM, 17 December 2021

Question # 7 of 10 (Start time: 08:39:55 PM, 17 December 2021)

Total Marks: 1

If $C_n = n(n+1)$ for all integers $n \geq 1$ then which of the following is the first three terms of a sequence?

Select the correct option

- ☒ 2, 6, 12
- ☐ 1, 2, 6
- ☐ 0, 2, 6
- ☐ 1, 2, 3

Reload Math Equations

Click to Save Answer & Move to Next Question

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Quiz

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=a53a2906-5430-423f-b358-526af4deefaa

MTH102 - Basic Algebra and Trigonometry (Quiz 1)

Question # 8 of 10 (Start time: 08:40:45 PM, 17 December 2021) Total Marks: 1

If a , r and a^n are the first, common ratio and the n th term respectively of the geometric sequence then $a^n =$

Select the correct option

Reload Math Equations

☐ ar^{n+1}

☐ ar^n

☐ 0

☒ ar^{n-1}

Click to Save Answer & Move to Next Question

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Quiz

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=1270927c-3350-415a-a7ef-11b2af2cb953

MTH102 - Basic Algebra and Trigonometry (Quiz 1)

Quiz Start Time: 08:35 PM, 17 December 2021

Question # 9 of 10 (Start time: 08:41:12 PM, 17 December 2021) Total Marks: 1

The general term of an arithmetic progression is

Select the correct option

Reload Math Equations

☒ $a_n = a + (n - 1)d$

☐ $a_n = a - (n + 1)d$

☐ $a_n = a + (n + 1)d$

☐ $a_n = a - (n - 1)d$

Click to Save Answer & Move to Next Question

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Quiz

vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=6d48362a-8e2d-43bc-a066-3c53b6b4de1b

Sum of how many terms of an arithmetic series will be zero provided that
1st term = -20, common difference = 20?

Select the correct option

☐	20
☒	2
☐	10
☐	3

Click to Save Answer & Move to Next Question

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