VU QUIZ REPORT

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Subject: MTH202

Quiz Completed: 5/9/2026, 4:39:20 PM
Total Questions: 10
Mathematical Questions: 1
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Question 1:

If A = {1 , 2 , 3} is a set and R = {(2 , 3) , (2 , 2) , (3 , 4)} is a relation on A, then R is

A. None of these

B. Transitive

C. Symmetric

D. Reflexive

Selected Answer: A

Question 2:

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

A. Reflexive

B. Transitive

C. None of these

D. Symmetric

Selected Answer: D

Question 3:

Input values of the function are called the ……

A. Relation

B. Range

C. None of these.

D. Domain

Selected Answer: D

Question 4:

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

A. 81

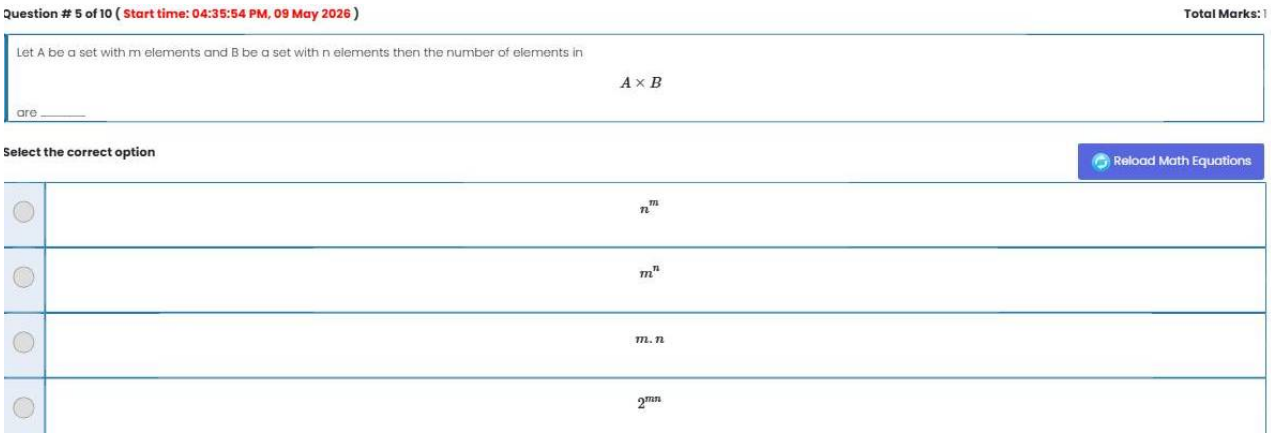
B. 12

C. 64

D. 7

Selected Answer: C

Question 5:



You selected: C

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: C

Question 6:

Let X = {2,4,5} and Y={1,2,4 }and R be a relation from X to Y defined by R = {(2,4), (4,1), (a,2)}. For what value of ‘a ‘ the relation R is a function ?

A. 4

B. 1

C. 2

D. 5

Selected Answer: D

Question 7:

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

A. Permutation

B. Reflexive

C. Transitive

D. Symmetric

Selected Answer: A

Question 8:

Let A = {1, 2, 3, 4} and define relation R= {(1, 1), (1, 3), (2, 4), (3, 1), (4,2)} on A then which of the following statement about R is true?

A. R is not symmetric

B. R is symmetric

C. R is transitive

D. R is reflexive

Selected Answer: B

Question 9:

Let R be a relation on a set A. R is transitive if and only if for all a,b,c" A th

A. (a, b) " R and (b, c) " R then (a, c) " R (a, b)" R then (b, a) " R

B. (a, b) " R and (b, c) " R then (a, c) " R

C. (a, b)" R then (b, a) " R

D. (a, b) " R and (b, c) " R but (a, c) " R

Selected Answer: B

Question 10:

Let R be a binary relation on a set A. If R is anti symmetric then _____ .

A. Inverse of R is symmetric

B. Inverse of R is anti symmetric

C. Option C not found

D. Option D not found

Selected Answer: B

Mathematical Questions Note:

Questions containing mathematical equations and symbols are displayed as CROPPED screenshots (top 20% removed for privacy) to preserve the original formatting. Your selected answers are displayed below each screenshot for easy reference.