

VIRTUAL UNIVERSITY OF PAKISTAN

A Good Education is a Foundation For a Better Future

CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
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TEAM HADI(VU LAHORE)

MID TERM PAST PAPER

We Deal All Kind of VU Project
(PHP, .NET, ANDROID, PYTHON)

MADE AND SOLVED BY HADI

WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



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Best of luck!



Question # 5 of 30 (Start time: 03:33:02 PM, 30 December 2020)

Total Marks: 1

A function whose range consists of only one element is called.....

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Select the correct option

☐	Constant function	
☐	Onto function	
☒	One to one function	
☐	Identity function	

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Question # 2 of 30 (Start time: 03:31:23 PM, 30 December 2020)

Total Marks: 1

The _____ of the terms of a sequence forms a series.

Select the correct option

☐	Multiplication
☒	Sum

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Question # 10 of 30 (Start time: 03:36:58 PM, 30 December 2020)

Total Marks: 1

If a set A has 15 elements then $P(A)$ (power set of A) has _____ elements.

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Select the correct option

☐	2^{13}
☐	2^{14}
☒	2^{15}
☐	2^{16}

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If $A \cap B = \phi$ then A and B are called.....

Select the correct option

[Reload Math Equations](#)

☒	disjont
☐	overlapping
☐	universal
☐	subsets

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Question # 30 of 30 (Start time: 03:52:46 PM, 30 December 2020)

Total Marks: 1

The inverse of the statement 'If it is pleasant outside, then I go to the park' is -----

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Select the correct option

- | | | |
|----------------------------------|--|--|
| ☐ | If it is NOT pleasant outside, then I go to the park. | |
| ☐ | If it is pleasant outside, then I do NOT go to the park. | |
| ☐ | If it is NOT pleasant outside, then I do NOT go to the park. | |
| ☒ | If I go to the park, then it is pleasant outside. | |

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Question # 11 of 30 (Start time: 03:37:37 PM, 30 December 2020)

Total Marks: 1

 $x+2=3$ is a proposition?

Select the correct option

☒	True
☐	False

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Question # 19 of 30 (Start time: 03:45:03 PM, 30 December 2020)

Total Marks: 1

 $0! = 1!$

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Select the correct option

True



False

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Question # 22 of 30 (Start time: 03:46:29 PM, 30 December 2020)

Total Marks: 1

The set of integers " $\mathbb{Z}$ " is a subset of the set of _____.

Select the correct option

☒	Natural Numbers	
☐	Irrational Numbers	
☐	Prime Numbers	
☐	Rational Numbers	

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Question # 10 of 30 (Start time: 03:36:58 PM, 30 December 2020)

Total Marks: 1

If a set A has 15 elements then P(A) (power set of A) has _____ elements.

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Select the correct option

☐	2^{13}
☐	2^{14}
☒	2^{15}
☐	2^{16}

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If $A \cap B = \phi$ then A and B are called.....

Select the correct option

[Reload Math Equations](#)

☒	disjont
☐	overlapping
☐	universal
☐	subsets

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Question # 30 of 30 (Start time: 03:52:46 PM, 30 December 2020)

Total Marks: 1

The inverse of the statement 'If it is pleasant outside, then I go to the park' is -----

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Select the correct option

☐	If it is NOT pleasant outside, then I go to the park.	
☐	If it is pleasant outside, then I do NOT go to the park.	
☐	If it is NOT pleasant outside, then I do NOT go to the park.	
☒	If I go to the park, then it is pleasant outside.	

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Question # 11 of 30 (Start time: 03:37:37 PM, 30 December 2020)

Total Marks: 1

 $x+2=3$ is a proposition?

Select the correct option

☒	True
☐	False

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Question # 19 of 30 (Start time: 03:45:03 PM, 30 December 2020)

Total Marks: 1

 $0! = 1!$

Select the correct option

True



False



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Question # 4 of 30 (Start time: 03:32:33 PM, 30 December 2020)

Total Marks: 1

If $p \leftrightarrow q$ is True, then -----

Select the correct option

☐	Only p is True.
☐	Only q is True.
☒	p and q both are True.
☐	None of these.

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Question # 15 of 30 (Start time: 03:41:40 PM, 30 December 2020)

Total Marks: 1

Let p = Akram is rich, q = Akram is helpful. Then $\sim p \wedge q$ means

Select the correct option

☐	Akram is rich AND he is helpful.	
☐	Akram is rich BUT he is not helpful.	
☒	Akram is not rich BUT he is helpful.	
☐	Akram is rich OR he is helpful.	

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Question # 1 of 30 (Start time: 03:29:56 PM, 30 December 2020)

Total Marks: 1

Which of the following is the example of an alternating sequence?

Select the correct option

[Reload Math Equations](#)

$$C_n = \frac{1}{n} \text{ for } n > 0$$



$$C_n = \frac{n}{n+1} \text{ for } n \geq 0$$



$$C_n = \frac{(-1)^n}{n+2} \text{ for } n \geq 0$$



$$C_n = \frac{(-1)}{n+2} \text{ for } n \geq 0$$

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- 4) GRAND QUIZZES

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