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Time Left 71 sec(s)

MTH202:Quiz#2

Quiz Start Time: 03:57 AM, 14 June 2021

Question # 8 of 10 (Start time: 04:04:30 AM, 14 June 2021) 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 a constant function
- f is an identity function
- f is bijective
- f is injective

Question # 6 of 10 (Start time: 04:03:19 AM, 14 June 2021) Total Marks: 1

If $f(x) = 2x$ and $g(x) = x$ then $g(f(x))$ is.....

Select the correct option

Reload Math Equations

- ○ $2x^2$
- ○ x^2
- ○ x
- ● $2x$

Saving...

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

$$f(x) = x^2$$

is not one to one function form $R \ to \ R^+$.

Select the correct option

Reload Math Equations

- False
- True

Click to Save Answer & Move to Next Question

$$f(x) = x^2$$

is not one to one function form R to R^+ .

Select the correct option

Reload Math Equations

- ○ False
- ● True

Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 03:57:33 AM, 14 June 2021)

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

Select the correct option

- Infinite set
- Finite set

The division by zero is allowed in mathematics.

Select the correct option

- ○ True
- ● False

MTH202:Quiz#2

Quiz Start Time: 03:57 AM, 14 June 2021

Question # 7 of 10 (Start time: 04:03:30 AM, 14 June 2021)

Total Marks: 1

\[{\text{If }}{{\text{F}}_k}{\text{ = }}{{\text{F}}_k}{\text{ - 1 + }}{{\text{F}}_k}{\text{ - 2 then }}{{\text{F}}_0}{\text{ = 1, }}{{\text{F}}_1}{\text{ = 2, then }}{{\text{F}}_2}{\text{ = }}\,_____.\]

Select the correct option

Reload Math Equations

- 5
- 3
- 6
- 4

Click to Save Answer & Move to Next Question

The sum of the series $a_1 + a_2 + a_3 + _____$ can be written as _____.

Select the correct option

Reload Math Equations

- $\sum_{i=0}^{0} a_k$
- $\sum_{i=0}^{10} a_i$
- $\sum_{i=0}^{5} a_i$
- $\sum_{i=1}^{\infty} a_k$

Click to Save Answer & Move to Next Question

The sum of two irrational numbers must be an irrational number.

Select the correct option

- ○ True
- ● False

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

Select the correct option

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

Option b is correct

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 04:01:42 AM, 14 June 2021) Total Marks: 1

0.818181818181... is an infinite geometric series.

Select the correct option

- (●) True
- ( ) False

Click to Save Answer & Move to Next Question

The product of any two consecutive positive integers is divisible by 2.

Select the correct option

- (●) True
- ( ) False


Select the correct option
True
False
Click to Save Answer & Move to Next Question

A predicate becomes ---------- when its variables are given specific values.

Select the correct option

- ○ sentence
- ● statement
- algorithm

A predicate becomes ---------- when its variables are given specific values.

Select the correct option

- ● sentence
- ○ statement
- ○ algorithm

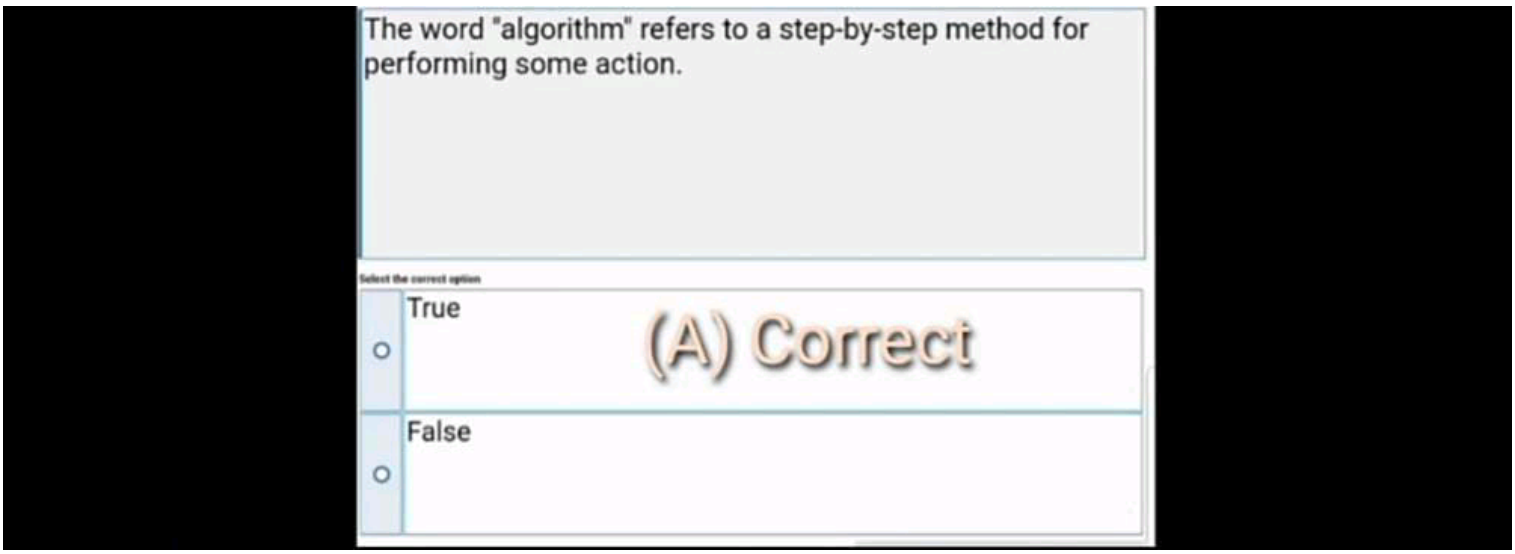
If 'n' is an odd integer then n^3+n is .....

Select the correct option

- even

Correct

- odd


The word "algorithm" refers to a step-by-step method for performing some action.
Select the correct option
True
False
(A) Correct

Question # 4 of 10 (Start time: 04:01:29 AM, 14 June 2021) **Total Marks:** 1

Inverse of a function may not be a function.

Select the correct option

- (●) True
- ( ) False

Click to Save Answer & Move to Next Question

The product of any two consecutive positive integers is divisible by 2.

Select the correct option

- True
- False

Select the correct option

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

Click to Save Answer & Move to Next Question

If 'n' is an odd integer then n^3+n is .....

Select the correct option

- even

Correct

- odd

For integers a, b, c, if a divides b and a divides c, then a divides (a + b).

Select the correct option

- ○ True
- False

Correct

Question # 4 of 10 (Start time: 04:01:29 AM, 14 June 2021) **Total Marks:** 1

Inverse of a function may not be a function.

Select the correct option

- True
- False

Click to Save Answer & Move to Next Question

If $F_k = F_k - 1 + F_k - 2$ then $F_0 = 1, F_1 = 2$, then $F_2 =$ ____ .

Select the correct option

Reload Math Equations

- ○ 5
- ● 3
- ○ 6
- ○ 4

Saving...