Question # 2 of 10 (Start time: 10:23:46 PM, 04 June 2021) Total Marks: 1

If the sequence is convergent then

Select the correct option

- it is bounded above but may not be bounded below.
- it is bounded below but may not be bounded above.
- it is bounded.
- it has two limits.

Click to Save Answer & Move to Next Question

10:26 PM
quiz.vu.edu.pk/QuizQue:

MC200403014: WAREESHA SALEEM

Time Left 89 sec(s)

MTH621:Quiz-1

Quiz Start Time: 10:22 PM, 04 June 2021

Question # 6 of 10 (Start time: 10:26:47 PM, 04 June 2021)

Total Marks: 1

Let $\sum_{n=k}^{\infty} a_n = A$ and $\sum_{n=k}^{\infty} b_n = B$, where A and B are finite.

Then $\sum_{n=k}^{\infty} (a_n + b_n) =$ - - - - - -

Select the correct option

Reload Math Equations

- $\frac{A}{B}$
- AB
- $A + B$
- $A - B$

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 10:26:08 PM, 04 June 2021) Total Marks: 1

$If\ |x| < 1,\ then$

Select the correct option

Reload Math Equations

- $lim_{n\to\infty} x^n = -1$
- $lim_{n\to\infty} x^n = 1$
- None of these
- $lim_{n\to\infty} x^n = 0$

Click to Save Answer & Move to Next Question

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21)

If $\{s_n\}$ is a cauchy sequence of real numbers, then $\{s_n\}$ is ------.

unbounded

bounded

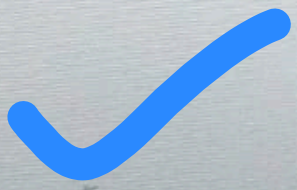


)

If $\{x_n\}$ is ----, then $\{x_n\}$ has a convergent subsequence.

unbounded

bounded



10:30 PM
quiz.vu.edu.pk/QuizQue
MC200403014: WAREESHA SALEEM
Time Left 90 sec(s)
MTH621:Quiz-1
Quiz Start Time: 10:22 PM, 04 June 2021
Question # 10 of 10 (Start time: 10:30:36 PM, 04 June 2021)
Total Marks: 1

Every Cauchy sequence has a

Select the correct option

- increasing subsequence.
- positive subsequence.
- convergent subsequence. ✓
- decreasing subsequence.

Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 10:31:22 PM, 04 June 2021)

The set of terms of $\{s_{n_k}\}$ is contained in the set of terms of $\{s_n\}$ implies

Select the correct option

- $\sup\{s_n\} \leqslant \sup\{s_{n_k}\}$.
- $\sup\{s_n\} = \sup\{s_{n_k}\}$.
- $\{s_n\}$ is convergent.
- $\sup\{s_n\} \geqslant \sup\{s_{n_k}\}$.

10:48 50%

Quiz
quiz.vu.edu.pk

Question # 4 of 10 (Start time: 10:48:12 PM, 04 June 2021)

Which statement(s) is(are) true about the following sequence $s_0 = 1$ and $s_n = 1 - e^{-s_{n-1}}$

Select the correct option

- All of the above.
- Sequence is convergent.
- $s_{n+1} - s_n = -(e^{-s_n} - e^{-s_{n-1}})$.
- $0 < s_n \leqslant 1$ for all n.

Click to Save Answer & M

$$The\ series \sum_{n=k}^{\infty} a_n - - - - - - - -, if\ (-1)^n\ a_n\ > 0,\quad |a_{n+1}| < |a_n|,\ and\ \lim_{n\to\infty} a_n = 0.$$

ct the correct option Reload Math

- $diverges$
- $converges$

Click to Save Answer & Move to Next Quest

10:51 49%

Quiz
quiz.vu.edu.pk

Question # 8 of 10 (Start time: 10:51:11 PM, 04 June 2021)

$If\ \{s_n\}\ is\ ----,\ then\ \lim_{n\to\infty} s_n = \inf\{s_n\}.$

Select the correct option

Reloa

- nondecreasing
- nonincreasing
- decreasing
- increasing

Click to Save Answer & Move to Next

10:49 50%

Question # 6 of 10 (Start time: 10:49:41 PM, 04 June 2021)

$$The\ series \sum_{n=k}^{\infty} a_n\ converges,\ if\ (-1)^n a_n > 0,\quad |a_{n+1}| < |a_n|,\ and \lim_{n\to\infty} a_n = \text{-----}.$$

Select the correct option

○	-1
○	1
○	0
○	∞

Click to Save Answer & Move to

ne 2021)

If $s_n \leqslant b$ for anysequence $\{s_n\}$, where b is a real number, then $\{s_n\}$ is - - - - -

Bounded below

Bounded sequence

Bounded above

For $-------series \sum_{n=1}^{\infty} \frac{1}{n} = 0.$

Select the correct option

- arithmetic
- None of these
- harmonic
- geometric

If $\{s_n\}$ *is* ------, *then* $\lim_{n\to\infty} s_n = \sup\{s_n\}$.

nonincreasing

decreasing

nondecreasing ✓

increasing

For harmonic series $\sum_{n=1}^{\infty} \frac{1}{n} = - - - - - -$.

Select the correct option

○	None of these
○	1
○	-1
○	0

If the sequence is increasing, then it

Select the correct option

- diverges.
- may converges to its supremum.
- converges to its supremum.
- is bounded.

stion # 1 of 10 (Start time: 10:44:53 PM, 04 June 2021)

$\{s_n\}$ converges to -1 and $\{t_n\}$ converges to 5, then the sequence $\{s_n + t_n\}$

elect the correct option

- will be divergent.
- may be convergent and may be divergent, it depends on the particular given sequences $\{s_n\}$ and
- will be convergent and its limit is 5.
- will be convergent and its limit is 4.

Quiz List | Quiz

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VU - Learning Man...

MC200404135: ASIMA MOAZZAM

MTH621:Quiz-1

Question # 1 of 10 (Start time: 10:58:49 PM, 04 June 2021)

The limit of the sequence

$$s_n = \frac{1}{n} + \frac{2(1+3/n)}{1+1/n}.$$

Select the correct option

- 2
- 3
- 1
- 4

Type here to search

rning Man...

04135: ASIMA MOAZZAM

Quiz-1

2 of 10 (Start time: 10:59:33 PM, 04 June 2021)

If a sequnce $\{s_n\}$ *is nonincreasing, then* - - - - - -

he correct option

None of these

$lim_{n\to\infty} s_n = \infty$

$lim_{n\to\infty} s_n = sup\{s_n\}$

$lim_{n\to\infty} s_n = inf\{s_n\}$

Type here to search

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AM

00:17 PM, 04 June 2021)

If $\{x_n\}$ unbounded below, then $\{x_n\}$ has a subsequence $\{x_n\}$ such that $\lim_{k\to\infty} x_{n_k} = - - - -$

∞

$-\infty$

0

1

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30 PM. 04 June 2021)

If $\{s_n\}$ is a sequence of real numbers, then $\lim_{n\to\infty} s_n = s$ iff $\lim_{n\to\infty} \sup s_n$ - - - - $\lim_{n\to\infty} \inf s_n = s$.

=

>

None of these

<

11:21 48

Quiz
quiz.vu.edu.pk

MC190204163: MUHAMMAD SHAFIQ

Time Left 89 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:15 PM, 04 June 2021

Question # 3 of 10 (Start time: 11:21:57 PM, 04 June 2021)

Total Marks: 1

Every sequence $\{s_n\}$ of real numbers has a unique limit superior, $\bar{s}$, and a unique limit inferior, $\underline{s}$, in the extended reals, and – – – –

Select the correct option

Reload Math Equations

- $\underline{s} = \bar{s}$
- *None of these*
- $\underline{s} \geqslant \bar{s}$
- $\underline{s} \leqslant \bar{s}$

Click to Save Answer & Move to Next Question

11:19 48

Quiz
quiz.vu.edu.pk

MC190204163: MUHAMMAD SHAFIQ

Time Left 73 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:15 PM, 04 June 2021

Question # 2 of 10 (Start time: 11:19:39 PM, 04 June 2021)

Total Marks: 1

The sum of a convergent series is ____.

Select the correct option

Reload Math Equations

- *different*
- *unique*

Click to Save Answer & Move to Next Question

MC200404135: ASIMA MOAZZAM

MTH621:Quiz-1

Question # 8 of 10 (Start time: 11:03:02 PM, 04 June 2021)

$\liminf_{n\to\infty} s_n = -\infty$ if

Select the correct option

- $\lim_{n\to\infty} s_n = 0.$
- $\{s_n\}$ is not bounded above.
- $\{s_n\}$ is not bounded below.
- $\{s_n\}$ is convergent.

Type here to search

11:31 50%

Quiz
quiz.vu.edu.pk

MC200401222: AURANGZEB

Time Left 89 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:27 PM, 04 June 2021

Question # 6 of 10 (Start time: 11:31:39 PM, 04 June 2021)

Total Marks: 1

$$The\ series \sum_{n=k}^{\infty} a_n - - - - - - - - , if\ (-1)^n a_n > 0,\ \ |a_{n+1}| < |a_n|,\ and \lim_{n\to\infty} a_n = 0.$$

Select the correct option

Reload Math Equations

- $diverges$
- $converges$

Click to Save Answer & Move to Next Question

11:32 50%

Quiz
quiz.vu.edu.pk

MC200401222: AURANGZEB

Time Left 86 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:27 PM, 04 June 2021

Question # 7 of 10 (Start time: 11:32:17 PM, 04 June 2021)

Total Marks: 1

$If\ \{x_n\}\ is\ ----,\ then\ \{x_n\}\ has\ a\ convergent\ subsequence.$

Select the correct option

Reload Math Equations

- ○ $bounded$
- ○ $unbounded$

Click to Save Answer & Move to Next Question

11:33 51%

Quiz
quiz.vu.edu.pk

MC200401222: AURANGZEB

Time Left 90 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:27 PM, 04 June 2021

Question # 8 of 10 (Start time: 11:32:53 PM, 04 June 2021)

Total Marks: 1

Which statement is true about the sequence $s_n = (-1)^n n$

Select the correct option

Reload Math Equations

- The sequence is convergent.
- The sequence is divergent to $-\infty$.
- The sequence is not bounded above or below.
- The sequence is decreasing.

Click to Save Answer & Move to Next Question

11:33 51%

Quiz
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MC200401222: AURANGZEB

Time Left 90 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:27 PM, 04 June 2021

Question # 9 of 10 (Start time: 11:33:32 PM, 04 June 2021)

Total Marks: 1

Which statement(s) is(are) true about the following sequence $s_0 = 1$ and $s_n = 1 - e^{-s_{n-1}}$

Select the correct option

Reload Math Equations

- Sequence is convergent.
- All of the above. ✔
- $0 < s_n \leq 1$ for all n.
- $s_{n+1} - s_n = -(e^{-s_n} - e^{-s_{n-1}})$.

Click to Save Answer & Move to Next Question

11:34 51%

Quiz
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MC200401222: AURANGZEB

Time Left 89 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:27 PM, 04 June 2021

Question # 10 of 10 (Start time: 11:34:05 PM, 04 June 2021)

Total Marks: 1

$If \sum a_n \text{ -----, } then \lim_{n\to\infty} a_n = 0$

Select the correct option

Reload Math Equations

- converges
- diverges

Click to Save Answer & Move to Next Question

11:36 47

Quiz
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MC190204163: MUHAMMAD SHAFIQ

Time Left 85 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:15 PM, 04 June 2021

Question # 10 of 10 (Start time: 11:36:04 PM, 04 June 2021)

Total Marks: 1

$If\ s_n \leq b\ for\ any sequence\ \{s_n\},\ where\ b\ is\ a\ real\ number,\ then\ \{s_n\}\ is\ ------$

Select the correct option

Reload Math Equations

- $Bounded\ sequence$
- $Bounded\ below$
- None of these
- $Bounded\ above$

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 10:35:09 PM, 03 June 2021) Total Marks: 1

A sequence $\{s_n\}$ *of real numbers is called a Cauchy sequence if for every* $\varepsilon > 0$, *there is an integer* N *such that* $|s_n - s_m| - - - - \varepsilon$ *if* $m, n \geq N$.

Select the correct option

Reload Math Equations

- $\geqslant$
- $\leqslant$
- $<$
- $>$

Click to Save Answer & Move to Next Question

Question # 2 of 10 (Start time: 10:33:01 PM, 03 June 2021) Total Marks: 1

For the convergent sequence

$$\{s_n\},$$

which statement is true?

Select the correct option

Reload Math Equations

- $\limsup_{n\to\infty} s_n = \liminf_{n\to\infty} s_n = \lim_{n\to\infty} s_n.$
- $\limsup_{n\to\infty} s_n \neq \liminf_{n\to\infty} s_n = \lim_{n\to\infty} s_n.$
- has a divergent subsequence.
- $\limsup_{n\to\infty} s_n \neq \liminf_{n\to\infty} s_n \neq \lim_{n\to\infty} s_n.$

Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 10:26:57 PM, 04 June 2021) Total Marks: 1

$If\ \{s_n\}\ is\ bounded\ above\ and\ does\ not\ diverge\ to\ -\infty,\ then\ there\ is\ a\ unique\ real\ number\ \overline{s}\ such\ that$
$,if\ \varepsilon > 0,\ s_n > \overline{s} - \varepsilon\ - - - - -$

Select the correct option

Reload Math Equations

- $for\ finitely\ n$
- $for\ \backslash infinitely\ many\ n$

Click to Save Answer & Move to Next Question

Question # 9 of 10 (Start time: 10:40:12 PM, 03 June 2021) Total Marks: 1

A divergent infinite series that does not diverge to $\pm\infty$ *is said to be* ———.

Select the correct option

Reload Math Equations

- *None of these*
- *bounded*
- *oscillate* ✔
- *convergent*

Click to Save Answer & Move to Next Question

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MC200405253: AWAIS AHMED

Time Left 88 sec(s)

MTH621:Quiz-1

Quiz Start Time: 10:53 PM, 03 June 2021

Question # 7 of 10 (Start time: 10:59:50 PM, 03 June 2021)

Total Marks: 1

If $p > 0$ and α is real, then value of the

$$\lim_{n \to \infty} \frac{n^{\alpha}}{(1+p)^{n}},$$

is

Select the correct option

Reload Math Equations

- ∞.
- 3.
- 2.
- 0.

Start

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Quiz List | Quiz | WhatsApp

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MC200405253: AWAIS AHMED

Time Left 84 sec(s)

MTH621:Quiz-1

Quiz Start Time: 10:53 PM, 03 June 2021

Question # 4 of 10 (Start time: 10:57:01 PM, 03 June 2021)

Total Marks: 1

$$The\ series \sum_{n=k}^{\infty} a_n - - - - - - - - -, if\ (-1)^n a_n > 0, \quad |a_{n+1}| < |a_n|, \quad and \lim_{n\to\infty} a_n = 0.$$

Select the correct option

Reload Math Equations

- $converges$
- $diverges$

Click to Save Answer & Move to Next Question

Start

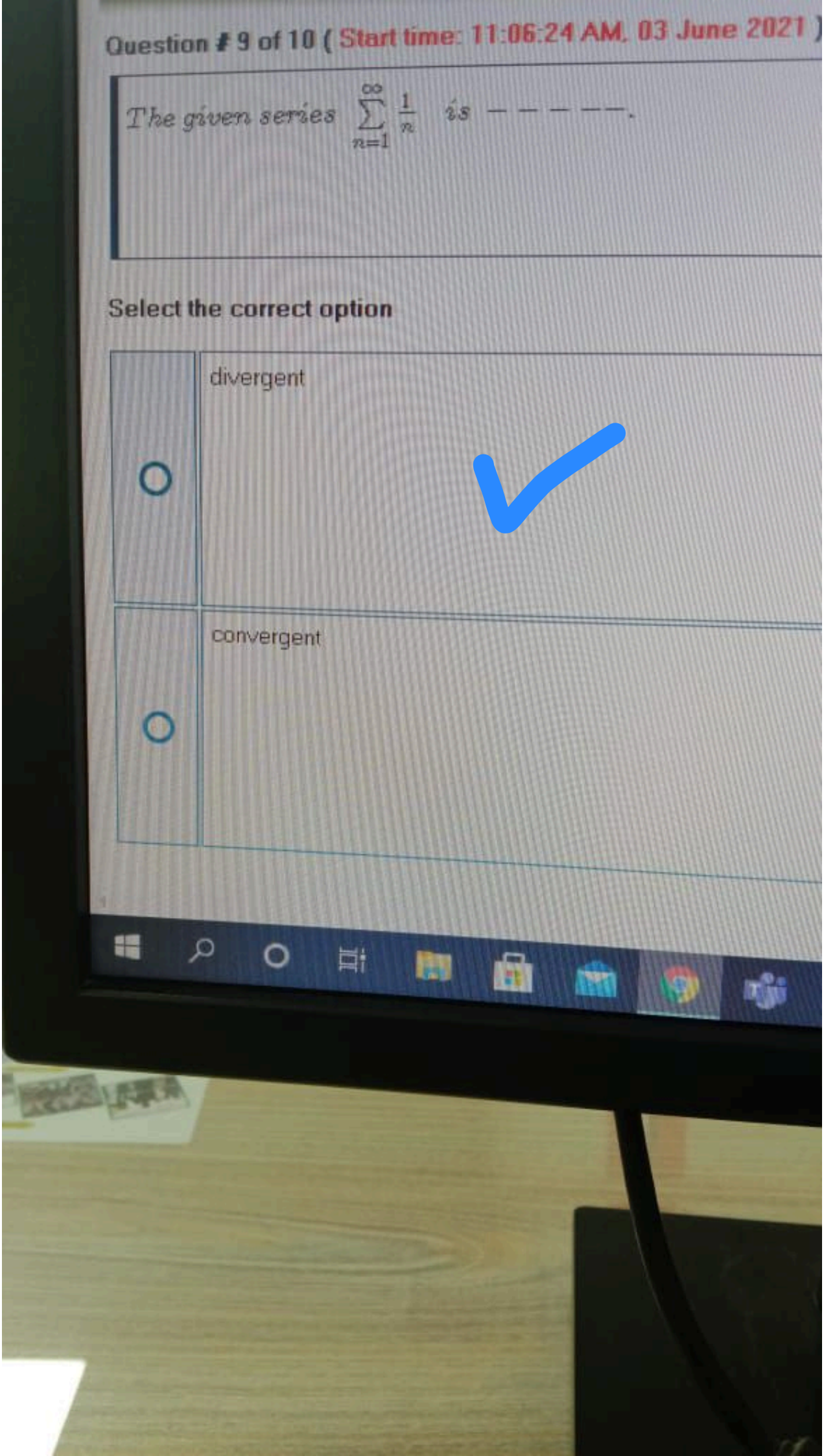
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Question # 9 of 10 (Start time: 11:06:24 AM, 03 June 2021)

The given series $\sum_{n=1}^{\infty} \frac{1}{n}$ is _ _ _ _ _ _.

Select the correct option

- divergent
- convergent



11:53

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3

Question # 10 of 10 (Start time: 11:53:14 AM, 03 June 2021)

If the sequence is convergent then

Select the correct option

- it is bounded below but may not be bounded above.
- it is bounded above but may not be bounded below.
- it has two limits.
- it is bounded.

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MC200405253: AWAIS AHMED

Time Left 89 sec(s)

MTH621:Quiz-1

Quiz Start Time: 10:53 PM, 03 June 2021

Question # 1 of 10 (Start time: 10:53:48 PM, 03 June 2021)

Total Marks: 1

$If \sum a_n \text{ ------}, then \lim_{n\to\infty} a_n = 0$

Select the correct option

Reload Math Equations

- diverges
- converges

Click to Save Answer & Move to Next Question

Start

10:53 PM
6/3/2021

11:42 44 K/s 88

quiz.vu.edu.pk/QuizQue 3

MC200402273: TAJAMMAL HUSSAIN

Time Left 88 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:42 AM, 03 June 2

Question # 1 of 10 (Start time: 11:42:35 AM, 03 June 2021)

Total Mark

If $\{a_n\}_k^\infty$ is an infinite sequence of real numbers, the symbol $\sum_{n=k}^{\infty} a_n$ is - - - - - - - - - and a_n is the n^{th} term of series.

Select the correct option

Reload Math Equatio

- infinite series
- finite series

Click to Save Answer & Move to Next Question

11:44

21 K/s 87

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3

MC200402273: TAJAMMAL HUSSAIN

Time Left 88 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:42 AM, 03 June 2021

Question # 2 of 10 (Start time: 11:44:14 AM, 03 June 2021)

Total Marks: 1

Let $\sum_{n=k}^{\infty} a_n = A$ and $\sum_{n=k}^{\infty} b_n = B$, where A and B are finite.Then $\sum_{n=k}^{\infty} ca_n = - - - - -$

Select the correct option

Reload Math Equations

- $c - A$
- $c + A$
- cA
- $\frac{c}{A}$

Click to Save Answer & Move to Next Question

11:47 258 B/s 87
quiz.vu.edu.pk/QuizQue 3

MC200402273: TAJAMMAL HUSSAIN

MTH621:Quiz-1 Quiz Start Time: 1

Question # 5 of 10 (Start time: 11:47:23 AM, 03 June 2021)

If $\{s_n\}$ is bounded above and does not diverge to $-\infty$, then there is a unique real number $\bar{s}$ such that
, if $\varepsilon > 0$, $s_n < \bar{s} + \varepsilon$ - - - - -

Select the correct option

- for small n
- for large n



Click to Save Answer & Move

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MTH621:Quiz-1

Question # 8 of 10 (Start time: 09:14:53 PM, 03 June 2021)

The value of the $\lim_{n\to\infty} \frac{1}{n^p}$ is

Select the correct option

- $\lim_{n\to\infty} \frac{1}{n^p} = 0$ for $p > 0$.
- $\lim_{n\to\infty} \frac{1}{n^p} = 3$ for all p.
- $\lim_{n\to\infty} \frac{1}{n^p} = 1$ for all p.
- $\lim_{n\to\infty} \frac{1}{n^p} = 1$ for all $p > 1$.

9:14 252 B/s 88

MTH621:Quiz-1

Question # 7 of 10 (Start time: 09:13:51 PM, 03 June 2021)

$\liminf_{n\to\infty} s_n = -\infty$ if

Select the correct option

○	$\{s_n\}$ is not bounded below.
○	$\{s_n\}$ is convergent .
○	$\lim_{n\to\infty} s_n = 0.$
○	$\{s_n\}$ is not bounded above.

11:49

14 K/s 87

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3

MC200402273: TAJAMMAL HUSSAIN

Time Left 89 sec(s)

MTH621:Quiz-1

Quiz Start Time: 11:42 AM, 03 June 2021

Question # 7 of 10 (Start time: 11:49:33 AM, 03 June 2021)

Total Marks: 1

$If\ \{s_n\}\ is\ ------,\ then\ \lim_{n\to\infty} s_n = \inf\{s_n\}.$

Select the correct option

Reload Math Equations

- nonincreasing
- increasing
- decreasing
- nondecreasing

Click to Save Answer & Move to Next Question

9:15

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Quiz Start Time

M, 03 June 2021)

If a sequnce $\{s_n\}$ *is nonincreasing, then* – – – – –

$lim_{n\to\infty} s_n = sup\{s_n\}$

$lim_{n\to\infty} s_n = inf\{s_n\}$

$lim_{n\to\infty} s_n = \infty$

Click to Save Answer & M

9:16

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Question # 10 of 10 (Start time: 09:16:36 PM, 03 June 2021)

Which sequence is bounded

Select the correct option

○	$\{(-1)^n\}$.
○	$s_n = [1 + (-1)^n]n$.
○	$\{n\}$.
○	$\{\frac{1}{n} + n^2\}$.

If $|s_n| \leqslant r$ for any sequence $\{s_n\}$, where r is a real number, then $\{s_n\}$ is - - - - - - -

Bounded below

Bounded above

Bounded sequence

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Telenor
65% 5:06 PM
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MC200402628: UMAR FAROOQ

Time Left 89 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 2 of 10 (Start time: 05:06:08 PM, 03 June 2021)

Total Marks: 1

If the sequence is increasing, then it

Select the correct option

- is bounded.
- may converges to its supremum. ✔
- converges to its supremum.
- diverges.

Click to Save Answer & Move to Next Question

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MC200402628: UMAR FAROOQ

Time Left 82 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 1 of 10 (Start time: 05:05:07 PM, 03 June 2021)

Total Marks: 1

$If\{a_n\}_k^{\infty}$ *is an infinite sequence of real numbers, the symbol* $---------$ *isan infinite seriesandis the* n^{th} *term of series.*

Select the correct option

Reload Math Equations

- $\sum_{n=k}^{\infty} a_n$
- $\prod_{k}^{\infty} a_n$
- None of these
- a_n

Click to Save Answer & Move to Next Question

MTH621:Quiz-1

Question # 9 of 10 (Start time: 08:47:51 PM, 03 June 2021)

If the sequence is convergent then

Select the correct option

- it has two limits.
- it is bounded above but may not be bounded below.
- it is bounded.
- it is bounded below but may not be bounded above.

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MC200402628: UMAR FAROOQ

Time Left 86 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 3 of 10 (Start time: 05:07:26 PM, 03 June 2021)

Total Marks: 1

$\limsup_{n\to\infty} s_n = \infty$ if

Select the correct option

Reload Math Equations

- $\{s_n\}$ is convergent.
- $\{s_n\}$ is not bounded above.
- $\{s_n\}$ has limit inferior.
- $\{s_n\}$ has unique limit.

Click to Save Answer & Move to Next Question

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62% 5:14 PM
quiz.vu.edu.pk/QuizQues

MC200402628: UMAR FAROOQ

Time Left 83 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 9 of 10 (Start time: 05:14:14 PM, 03 June 2021)

Total Marks: 1

The series $\sum_{n=0}^{\infty} r^n, \quad -1 < r < 1$, is

Select the correct option

Reload Math Equations

- convergent and converges to $\frac{1}{1-r}$.
- divergent.
- convergent and converges to $\frac{1}{1-r^2}$.
- convergent and converges to 5.

Click to Save Answer & Move to Next Question

Warid
Telenor
62% 5:15 PM
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MC200402628: UMAR FAROOQ

Time Left 86 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 10 of 10 (Start time: 05:15:14 PM, 03 June 2021)

Total Marks: 1

A point $\bar{x}$ is a limit point of a set iff there is a sequence $\{x_n\}$ of point in S such that $x_n \neq x$ for $n \geq 1$, and - - - - - -

Select the correct option

Reload Math Equations

- None of these
- $\lim_{n\to\infty} x_n > \bar{x}$
- $\lim_{n\to\infty} x_n = \bar{x}$
- $\lim_{n\to\infty} x_n \neq \bar{x}$

Click to Save Answer & Move to Next Question

Warid
Telenor
5:10 PM
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MC200402628: UMAR FAROOQ

Time Left 89 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 5 of 10 (Start time: 05:10:32 PM, 03 June 2021)

Total Marks: 1

$If\ \{x_n\}\ unbounded\ below,\ then\ \{x_n\}\ has\ a\ subsequence\ \{x_n\}\ such\ that\ \lim_{k\to\infty} x_{n_k} = ----$

Select the correct option

Reload Math Equations

- ∞
- 1
- $-\infty$
- 0

Click to Save Answer & Move to Next Question

Warid
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MC200402628: UMAR FAROOQ

Time Left 88 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 6 of 10 (Start time: 05:11:15 PM, 03 June 2021)

Total Marks: 1

$If\ |x| < 1,\ then$

Select the correct option

Reload Math Equations

- None of these
- $lim_{n\to\infty} x^n = 1$
- $lim_{n\to\infty} x^n = -1$
- $lim_{n\to\infty} x^n = 0$

Click to Save Answer & Move to Next Question

Warid
Telenor
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quiz.vu.edu.pk/QuizQues

MC200402628: UMAR FAROOQ

Time Left 88 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 8 of 10 (Start time: 05:13:29 PM, 03 June 2021)

Total Marks: 1

Which statement is true about the sequence $s_n = (-1)^n n$

Select the correct option

Reload Math Equations

- The sequence is not bounded above or below.
- The sequence is convergent.
- The sequence is divergent to $-\infty$.
- The sequence is decreasing.

Click to Save Answer & Move to Next Question

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MC200402628: UMAR FAROOQ

Time Left 88 sec(s)

MTH621:Quiz-1

Quiz Start Time: 05:05 PM, 03 June 2021

Question # 4 of 10 (Start time: 05:08:49 PM, 03 June 2021) Total Marks: 1

$If\ \{s_n\}\ is\ ----,\ then\ \lim_{n\to\infty} s_n = \sup\{s_n\}.$

Select the correct option

Reload Math Equations

- nonincreasing
- decreasing
- nondecreasing ✔
- increasing

Click to Save Answer & Move to Next Question