4G 3G 24% 12:28

Quiz
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MC200203376: MAAZ

Time Left 86 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 2 of 10 (Start time: 12:28:23 PM, 13 August 2021)

Total Marks: 1

Mathematically, the functions in Green's theorem will be

Select the correct option

- Continuous derivatives
- Discrete partial derivatives
- Continuous partial derivatives
- Discrete derivatives

Click to Save Answer & Move to Next Question

4G 3G 23% 12:29

Quiz
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MC200203376: MAAZ

Time Left 84 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 3 of 10 (Start time: 12:29:26 PM, 13 August 2021)

Total Marks: 1

Let a lies in the interior of contour C and
$P_n(z) = a_n z^n + a_{n-1} z^{n-1} + a_{n-2} z^{n-2} + \ldots + a_1 z + a_0 z^0$
then the value of $\int_C \frac{P_n(z)}{z-a} dz$ is ... when $n = 3$

Select the correct option

Reload Math Equations

- $2\pi P_n(a)$
- $2\pi P_3(a)$
- $2\pi i P_n(a)$
- $2\pi i P_3(a)$



Click to Save Answer & Move to Next Question

24% 12:28

Quiz
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MC200203376: MAAZ

Time Left 86 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 2 of 10 (Start time: 12:28:23 PM, 13 August 2021)

Total Marks: 1

Mathematically, the functions in Green's theorem will be

Select the correct option

- Continuous derivatives
- Discrete partial derivatives
- Continuous partial derivatives
- Discrete derivatives



23% 12:31

Quiz
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MC200203376: MAAZ

Time Left 87 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 4 of 10 (Start time: 12:31:37 PM, 13 August 2021)

Total Marks: 1

If the interior of every simple closed contour C is contained in the domain D , then domain is said to be....

Select the correct option

- Unbounded
- Disconnected
- Simple connected
- None of above

22% 12:34

Quiz
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MC200203376: MAAZ

Time Left 84 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 6 of 10 (Start time: 12:34:11 PM, 13 August 2021)

Total Marks: 1

Consider the integral $\int_C f(z)dz$ where contour C:$z(t) = e^{it}$, $L = 2\pi$ and $f(z) = \bar{z}$. The upper bound is

Select the correct option

Reload Math Equations

- $-\pi$
- -2π
- π
- 2π ✓

Click for Next Question

21% 12:40

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MC200203376: MAAZ

Time Left 65 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 9 of 10 (Start time: 12:40:16 PM, 13 August 2021)

Total Marks: 1

Let $f(t)$ be continuous function on contour C and L be length of C. For all t in contour C, $|f(t)| \leq M$ then

Select the correct option

Reload Math Equations

- $|\int_C f(t)\,dt| > ML$
- $|\int_C f(t)\,dt| \geq ML$
- $|\int_C f(t)\,dt| < ML$
- $|\int_C f(t)\,dt| \leq ML$ ✓

Click Once Answer & Move to Next Question

23% 12:31

Quiz
quiz.vu.edu.pk

MC200203376: MAAZ

Time Left 87 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 4 of 10 (Start time: 12:31:37 PM, 13 August 2021)

Total Marks: 1

If the interior of every simple closed contour C is contained in the domain D , then domain is said to be....

Select the correct option

- Unbounded
- Disconnected
- Simple connected
- None of above

Save & Next Answer & Move To Next Question

MC200203376: MAAZ

Time Left 86 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 8 of 10 (Start time: 12:37:37 PM, 13 August 2021)

Total Marks: 1

If function f is an analytic function in simple connected domain where $C_R(z_o) = \{z(t) : |z - z_o| = R\}, 0 \leqslant t \leqslant 2\pi$ and R be the radius of circle, then

Select the correct option

Reload Math Equations

- $f(z_o) = \frac{1}{\pi} \int_0^{2\pi} f(z_o + \mathrm{Re}^{it}) dt$
- $f(z_o) = \frac{1}{2\pi} \int_0^{2\pi} f(z_o + \mathrm{Re}^{it}) dt$
- $f(z_o) = \frac{1}{4\pi} \int_0^{2\pi} f(z_o + \mathrm{Re}^{it}) dt$
- $f(z_o) = \frac{1}{2\pi i} \int_0^{2\pi} f(z_o + \mathrm{Re}^{it}) dt$



Click to Save Answer & Move to Next Question

4G 4G 21% 12:41

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MC200203376: MAAZ

Time Left 85 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 10 of 10 (Start time: 12:41:08 PM, 13 August 2021)

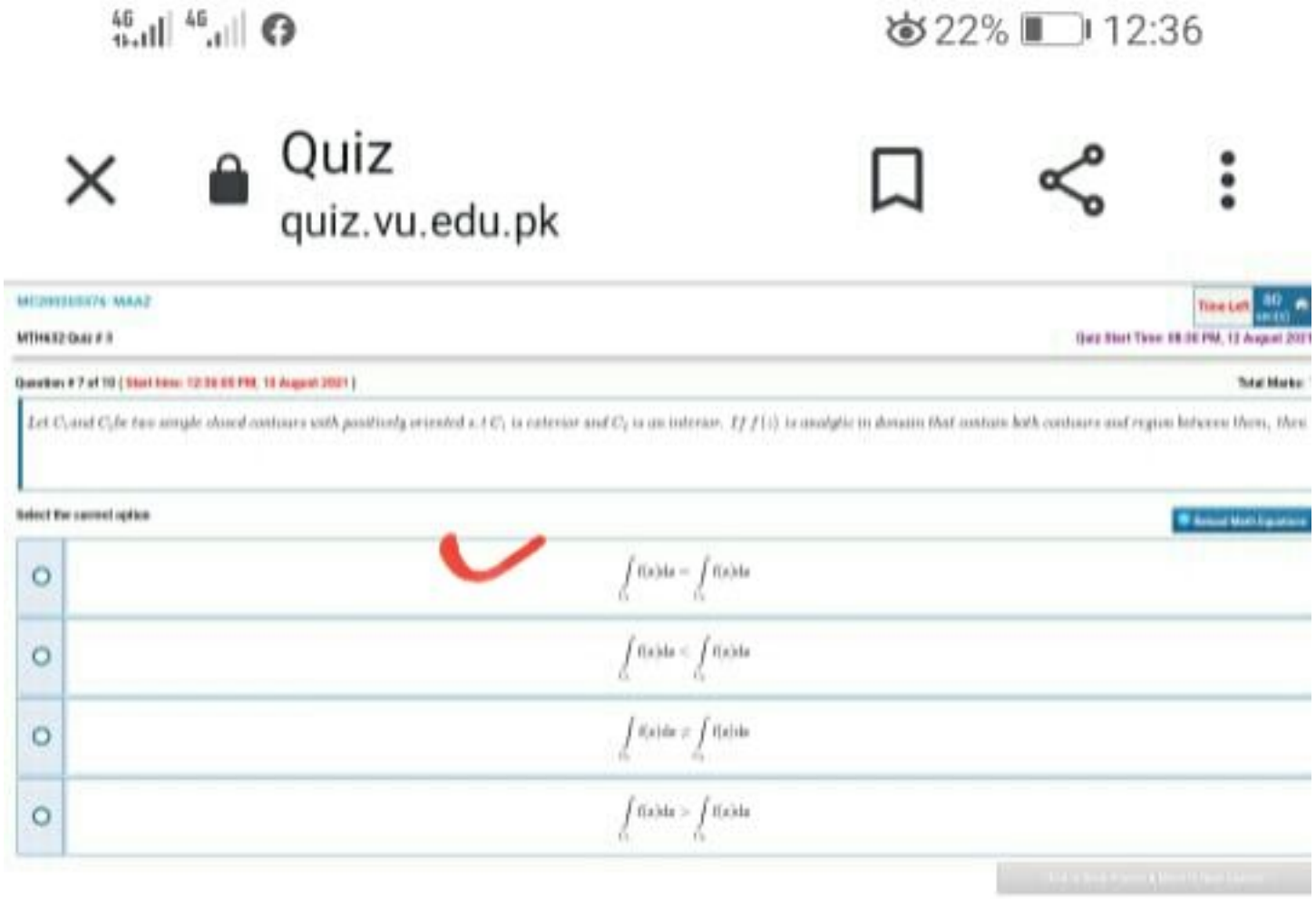
Total Marks: 1

If $f(z)$ is an analytic function in domain D then for $n \geqslant 0$ where n is a positive integer,

Select the correct option

Reload Math Equations

- $f^{(n)}(z)$ is analytic in disconnected D
- None of above
- $f^{(n)}(z)$ is not analytic in simple connected D
- $f^{(n)}(z)$ is an analytic in simple connected D ✓


22% 12:36
Quiz
quiz.vu.edu.pk
MTH432 Quiz # 3
Time Left
Question # 7 of 10 (Start time: 12:36:05 PM, 13 August 2021)
Total Marks:
Let C_1 and C_2 be two simple closed contours with positively oriented s. t C_1 is exterior and C_2 is an interior. If $f(z)$ is analytic in domain that contains both contours and region between them, then
Select the correct option
$\int_{C_1} f(z)dz = \int_{C_2} f(z)dz$
$\int_{C_1} f(z)dz < \int_{C_2} f(z)dz$
$\int_{C_1} f(z)dz \geq \int_{C_2} f(z)dz$
$\int_{C_1} f(z)dz > \int_{C_2} f(z)dz$

24% 12:28

Quiz
quiz.vu.edu.pk

MC200203376: MAAZ

Time Left 86 sec(s)

MTH632:Quiz # 3

Quiz Start Time: 08:30 PM, 12 August 2021

Question # 2 of 10 (Start time: 12:28:23 PM, 13 August 2021)

Total Marks: 1

Mathematically, the functions in Green's theorem will be

Select the correct option

- Continuous derivatives
- Discrete partial derivatives
- Continuous partial derivatives ✓
- Discrete derivatives