MTH633 - Group Theory (Quiz NO. 3) Quiz Start Time:

Question # 1 of 5 (Start time: 10:50:28 PM, 16 July 2023)

The centre of S_3 is trivial.

Select the correct option

Reld

- (●) True
- ( ) False

Click to Save Answer & Move

Question # 2 of 5 (Start time: 10:50:52 PM, 16 July 2023)

T

If G is abelian, then $Z(G) = G$.

Select the correct option

Reload Math

- False
- True

Click to Save Answer & Move to Next

Question # 3 of 5 (Start time: 10:51:42 PM, 16 July 2023)

If the center of a group G is trivial, then $G \cong Inn(G)$.

Select the correct option

Reload Math

- (●) True
- ( ) False

Click to Save Answer & Move to Next

Question # 4 of 5 (Start time: 10:52:54 PM, 16 July 2023)

Automorphism of a group G is an isomorphism of G onto G'.

Select the correct option

Reload Math

- (●) True
- ( ) False

Click to Save Answer & Move to Next

Question # 5 of 5 (Start time: 10:53:10 PM, 16 July 2023) Total Marks

The centre of a group G always contains the inverse element.

Select the correct option

Reload Math Equations

○	True
◉	False

Saving

Question # 1 of 5 (Start time: 10:58:18 PM, 16 July 2023)
Tot

Every nonabelian group G has two important normal subgroups, the group G and the commutator of G.

Select the correct option

Reload Math Eq

- ○ False
- ◉ True

Click to Save Answer & Move to Next Qu

MTH633 - Group Theory (Quiz NO. 3) Quiz Start Time: 10:58 PM, 16 Ju

Question # 2 of 5 (Start time: 10:58:41 PM, 16 July 2023) Total

The commutator subgroup C of S_3 contains A_3.

Select the correct option

Reload Math Equ

- ○ False
- ◉ True

Click to Save Answer & Move to Next Que

Question # 3 of 5 (Start time: 10:58:58 PM, 16 July 2023) Total I

If the center of a group G is trivial, then $G \cong Inn(G)$.

Select the correct option

Reload Math Equa

- (●) True
- ( ) False

Click to Save Answer & Move to Next Ques

MTH633 - Group Theory (Quiz NO. 3)

Quiz Start Time: 10:58 PM, 16 July 20

Question # 4 of 5 (Start time: 10:59:14 PM, 16 July 2023)

Total Mark

The centre of a group G always contains the inverse element.

Select the correct option

Reload Math Equations

- (●) False
- ( ) True

Click to Save Answer & Move to Next Question

MTH633 - Group Theory (Quiz NO. 3) Quiz Start Time: 10:58 PM, 16 July 2

Question # 5 of 5 (Start time: 10:59:39 PM, 16 July 2023) Total Mar

If G is abelian, then $Z(G) = G$.

Select the correct option

Reload Math Equation

- (●) True
- ( ) False

Click to Save Answer & Move to Next Question