



# DEPARTMENT OF MATHEMATICS GHAZI UNIVERSITY DERA GHAZI KHAN

Address: The Ghazi University  
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Email: hod.math@gudgk.edu.pk  
No.GU-DGK/MATH-1464/25  
Dated: **07-10-2025**

## NOTIFICATION

In accordance with the decision of the Departmental Research Committee (DRC) meeting held on 7<sup>th</sup> October 2025 in the office of the Convener, DRC, it is hereby stated that fourteen PhD scholars have successfully defended the Open Defense of their PhD Synopses held on 2<sup>nd</sup>, 3<sup>rd</sup>, and 6<sup>th</sup> October 2025, in compliance to Notification No. GU-DGK/MATH-1557/25 Dated: 25-09-2025.

The **Departmental Research Committee** unanimously decided that all the PhD scholars have **successfully qualified the Open Defense of their PhD Synopses**. Accordingly, it is hereby **notified** that **fourteen PhD students of Session 2022–25 have successfully qualified the Open Defense of their PhD Synopses**.

Sr. No.	Registrati on No.	Name of the Student	Name of the Supervisor	Name of the Co-Supervisor (if any)	Date of Admis sion	Title of the Thesis/Synopsi s	Decision
<b>Date: 2<sup>nd</sup> October 2025</b>							
1	2022-GU-0152	Ghulam Murtaza	Dr. Abdul Ghaffar	-	5/10/2022	Accretion Mechanism for regular Black holes with Asymptomatically Minkowski Cores and Improved Schwarzschild Black Holes	<b>Qualified</b>
2	2022-GU-0155	Karim Dad	Dr. Sadia Sattar	Prof. Dr. Muhammad Jamil Amir	5/10/2022	Gravitational Collapse in $f(R, T^2)$ Gravity.	<b>Qualified</b>
3	2022-GU-0154	Khurram Faiz	Dr. Aqeel Ahmad	Dr. Zafar Ullah	5/10/2022	Mathematical Modeling and Investigations of Plants Diseases by taking Control Measures	<b>Qualified</b>
4	2022-GU-0156	Muhammad Kamran	Dr. Abdul Rauf Khan	Dr. Zafar Ullah	5/10/2022	Estimation of Physicochemical Characteristics for molecular	<b>Qualified</b>

						Graphs with Topological descriptors and Prioritization through multi-criteria Decision Making	
5	2022-GU-0157	Naveed Jamal	Dr. Abdul Rauf Khan	Dr. Jamshaid Ahmad	5/10/2022	Fixed point Theorems for self and Multivalued Mapping in F-Metric Spaces with applications	Qualified

**Date: 3<sup>rd</sup> October 2025**

1	2022-GU-0159	Nadeem UI Hassan Awan	Dr. Abdul Ghaffar	-	5/10/2022	Topological Descriptors and QSPR Modeling Applications in Characterizing Molecular graph	Qualified
2	2022-GU-0160	Muhammad Suleman Khan	Dr. Aqeel Ahmad	--	5/10/2022	Analysis of global warming impact on ecosystem within the framework of different kernels	Qualified
3	2022-GU-0161	Qazi Muhammad Farooq	Dr. Abdul Ghaffar	Dr. Aqeel Ahmad	5/10/2022	Investigation to control the lumpy cow skin virus and bifurcation analysis	Qualified
4	2022-GU-0162	Safdar Abbas	Dr. Abdul Ghaffar	Dr. Aqeel Ahmad	5/10/2022	Mathematical Modeling and investigation of chaotic finance with different energy sources using fractional operators	Qualified

**Date: 6<sup>th</sup> October 2025**

1	2022-GU-0158	Muhammad Qasim	Dr. Abdul Rauf Khan	Dr. Muhammad Abubakar Siddique	5/10/2022	Generalizations of some existing and new topological invariants for graphs	Qualified
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2	2022-GU-0164	Sana Khan	Dr. Muhammad Saeed Akram	-	5/10/2022	Improving Bounds for Numerical Radius-Type Functionals	Qualified
3	2022-GU-0165	Fakher Abbas	Dr. Abdul Ghaffar	Dr. Aqeel Ahmad	5/10/2022	Analysis with modeling for Generalized Cholera disease by taking symptomatic and asymptomatic measures	Qualified
4	2022-GU-0153	Usama Atta	Dr. Aqeel Ahmad	Dr. Sadia Sattar	5/10/2022	Mathematical modeling and control of infectious diseases using different fractional operators	Qualified
5	2022-GU-0163	Asad Ullah	Dr. Abdul Rauf Khan	Dr. Shahbaz Ali	5/10/2022	On expanding aggregation operators and methods within single-valued neutrosophic soft environments for multi-attribute decision-making	Qualified



**Dr. Abdul Ghaffar (Chairperson/Convener DRC)**

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