

Noreen Zia

Phone No: (+92)3023746007

Email: noreenzia935@gmail.com

Address: 21/Y-3, New Multan Colony, Multan, Pakistan

Education

M.Phil

The Women University Multan

Sep 2022 – Jul 2024

Field of study: Applied Mathematics

Thesis Title: Some Special Cases of Stochastic Differential Equation

Supervisor: Dr. Anum Zehra

CGPA: 3.67/4.00 CGPA

Bachelors in Mathematics

Oct 2018 – Jun 2022

Bahauddin Zakariya University, Multan

Field of study: Mathematics

Project Title: Efficiency Improvement of Electric Vehicle Using Winding-Less Rotor Based DC Motor

Supervisor: Prof.Dr Khalid Saifullah Syed

CGPA: 3.45/4.00

ICS

Aug 2016 – Sep 2018

The Country College (Girls) 608-K Shah Rukn-e-alam Multan

Obtained Marks: 934/1100

Matriculation

Feb 2014 – Jul 2016

GOVT.GIRLS H.S.S. MOON LIGHT, MULTAN

Obtained Marks: 911/1100

Technical Software Skills

- Proficient in **MATLAB** for computational tasks and simulations.
- Experience using **C++** for algorithm development and problem-solving.
- Competent in **Overleaf(Latex)** for document preparation and academic writing.
- Advanced proficiency in **Microsoft** Office tools, including Word, Excel, and PowerPoint.

Courses-Related Skills

- Expertise in **Stochastic Differential equations**, including their theoretical foundation and applications.
- Strong understanding of **Calculus, Linear Algebra and Numerical Analysis**.
- Skilled in formulating **mathematical models** to represent real- world problems.

Communication Skills

- Strong **teaching and communication** skills, with the ability to explain concepts clearly.
- Good **active listening** skills and confidence in delivering presentations.
- Experienced in **assisting undergraduate students**, providing guidance and support in understanding mathematical concepts
- Proven ability to work effectively in team settings, contributing to **group projects** and research initiatives.

Language skills

- **Punjabi:** Native
- **Urdu:** Fluent
- **English:** Proficient

Work Experience

- **Teaching intern(6 months)**
Government Girls High School (GGHS) MC Tibbi Sher Khan, Multan.
Assisted in teaching Mathematics to students, fostering a strong foundation in key concepts and problem solving skills.
- **Visiting Professor of Mathematics (1 year and 4 months)** Nov 2024– Mar 2026
University of Central Punjab, Multan, Pakistan.
Teaching undergraduate courses in Mathematics, e.g, **Pre Calculus, Multivariable Calculus, Calculus and Analytical Geometry, Elementary Algebra and Quantitative Reasoning I & II** with a focus on fostering conceptual understanding.

Conferences And Seminar

- One Day Seminar on **“Emerging Trends of Data Sciences and Cryptography, 21st November 2019”** organized by Department of Mathematics, The Women University Multan.
- **“1st International Conference on Mathematics for A Sustainable Future (ICMSF), 3 Day Conference from 12 to14 December 2022”** organized by the Department of Mathematics,The Women University Multan.
- Participate in **“CROSOM-7,2022”** organized by CASPAM, Bahauddin Zakarya University, Multan.
- **“1st BZU International Workshop on Artificial Intelligence and its Applications, 2024”** organized by CASPAM, Bahauddin Zakarya University, Multan.
- Attended the workshop on **“STEM Robotics & AI, 13th June 2024”** at the Department of Mathematics, The Women University Multan



The Women University Multan

TRANSCRIPT

Department of Mathematics

Student Name NOREEN ZIA
Father's Name ZIA UL HAQ
Program Master of Philosophy
Session 2022-2024

Roll No. MMAT-F22-13
Registration No. 2022-WUM-1468
Discipline Mathematics



Semester 1st

Course Code	Course Title	Cr. Hr.	%age Marks	GP
MATH-511	GROUP THEORY	3	72	3.10
MATH-517	ADVANCED NUMERICAL ANALYSIS	3	80	3.60
MATH-602	NUMERICAL SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS	3	80	3.60
MATH-685	LINEAR SYSTEMS THEORY	3	89	4.00
Credit Hours		12	GPA	3.58

Semester 2nd

Course Code	Course Title	Cr. Hr.	%age Marks	GP
MATH-515	ADVANCED MATHEMATICAL PHYSICS	3	85	4.00
MATH-523	ADVANCED GRAPH THEORY	3	77	3.40
MATH-662	FOURIER SERIES I	3	80	3.60
MATH-666	CONTROL THEORY I	3	76	3.40
Credit Hours		12	GPA	3.60

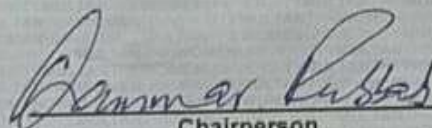
Semester 3rd & 4th

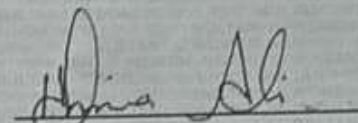
Course Code	Course Title	Cr. Hr.	%age Marks	GP
MATH-699	THESIS RESEARCH Some Special Cases of Stochastic Differential Equation	6	88	4.00
Credit Hours		6	GPA	4.00

Course Completion Date:- 12/07/2024

Comprehensive Qualified

CGPA (Cumulative Grade Point Average)	3.67
Marks Obtained / Total Marks	2445 / 3000
O.P.M (Overall Percentage Marks)	81.50
Grade	B
Total Credit Hours	30
Credit Hours of Repeated / Improved Courses	0


Chairperson
Department of Mathematics


Controller of Examinations





Bahauddin Zakariya University, Multan (Pakistan)

Controller of Examinations

TRANSCRIPT

Bachelors in Mathematics (Morning)

Session : 2018-2022



Name: Noreen Zia

Father's Name: Zia Ul Haq

Roll No.: BS-M-18-44

Registration No.: 2018-BZM-69

Cr. #	CourseTitle	GPA	Gr.	Cr.	Cr. #	CourseTitle	GPA	Gr.	Cr.
Semester: I					Semester: II				
COMP 101	Introduction to Computers	4.00	A	3	ENGL 102	English-II (Communication Skills)	3.70	B	3
ENGL 101	English-I (Functional English)	4.00	A	3	IST 101	Islamic Studies	4.00	A	2
MATH 101	Calculus I	2.90	C	3	MANG 206	Human Resource Management	4.00	A	3
MATH 104	Discrete Structures	4.00	A	3	MATH 102	Calculus II	4.00	A	3
PHYS 101	Mechanics-I	3.70	B	3	MATH 106	Programming Languages for Mathematicians	4.00	A	4
PHYS 103	Laboratory-I	3.50	B	1	PHYS 104	Waves & Oscillations	4.00	A	3
PST 101	Pakistan Studies	4.00	A	2	PHYS 106	Laboratory-II	3.50	B	1
Semester GPA		3.74	B		Semester GPA		3.93	B	
Semester: III					Semester: IV				
ENGL 201	English-III (Report Writing)	3.70	B	3	MATH 202	Algebra I	3.40	B	3
MATH 201	Calculus III	2.80	C	3	MATH 204	Probability Theory	3.70	B	3
MATH 203	Number Theory	4.00	A	3	MATH 206	Introduction to Mathematical Methods	2.50	C	3
MATH 205	Computing Tools for Mathematicians	4.00	A	3	PHYS 204	Heat & Thermodynamics	4.00	A	3
PHYS 201	Electricity & Magnetism-I	4.00	A	3	PHYS 206	Modern Physics & Electronics	4.00	A	3
PHYS 203	Laboratory-III	4.00	A	1	PHYS 210	Laboratory-IV	4.00	A	1
Semester GPA		3.72	B		PSY 204	Social Psychology	4.00	A	3
Semester GPA		3.72	B		Semester GPA		3.62	B	
Semester: V					Semester: VI				
MATH 301	Algebra II	3.10	B	3	MATH 302	Algebra-III	3.20	B	3
MATH 303	Real Analysis I	3.50	B	3	MATH 304	Real Analysis II	3.50	B	3
MATH 305	Numerical Analysis I	3.10	B	3	MATH 306	Classical Mechanics	3.00	B	3
MATH 307	Ordinary Differential Eqns.	2.00	C	3	MATH 308	Partial Partial Differential Eqns	3.30	B	3
MATH 309	Complex Analysis	3.50	B	3	MATH 310	Mathematical Spaces	3.70	B	3
MATH 311	Vector and Tensor Analysis	3.30	B	3	Semester GPA		3.34	B	
Semester GPA		3.08	B		Semester GPA		3.34	B	
Semester: VII					Semester: VIII				
MANG 402	Entrepreneurship	4.00	A	3	MATH 400	Project	3.50	B	3
MATH 401	Functional Analysis I	3.10	B	3	MATH 402	Modeling and Simulation	2.70	C	3
MATH 405	Mathematical Statistics	2.80	C	3	MATH 404	Optimization Theory	3.60	B	3
MATH 411	Numerical Analysis II	2.50	C	3	MATH 454	Fluid Mechanics II	3.50	B	3
MATH 453	Fluid Mechanics I	2.30	C	3	MATH 460	Mathematical Methods II	3.50	B	3
MATH 459	Mathematical Methods I	2.00	C	3	Semester GPA		3.36	B	
Semester GPA		2.78	C		Semester GPA		3.36	B	

Course Result Completed on: 17-Jun-2022

CGPA 3.45 / 4.00 (3562/4900) (72.69%) Grade: B

GPA=Grade Point Average CGPA=Cummulative Grade Point Average [r]=Course Repeated CW=Course Withdrawn
Gr.=Grade Cr.=Credit Hour Cr. #=Course No. *=(Positions Will Be Declared According To CGPA)

Ready Reckoner is given overleaf

Deputy Controller of Examinations
For Controller

BAHAUDDIN ZAKARIYA UNIVERSITY
MULTAN-PAKISTAN



FACULTY OF SCIENCE

Session 2018-2022

This is to certify that

Noreen Zia D/o Zia Ul Haq

After having fulfilled the requirements has been duly admitted to the degree of

Bachelors in Mathematics

Grade: B

Date of Completion: 17-June-2022

Serial No. 148718

[Signature]
CONTROLLER OF EXAMINATIONS

Multan, Dated: *[Signature]* 4 SEP 2023

M. Baligh ur Rehman
CHANCELLOR

No.INT. 556504

**BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN
(PAKISTAN)**



INTERMEDIATE CERTIFICATE

Roll No. 685999

Enrol. No. 0616-201541-433576

Intermediate Annual Examination 2018

GENERAL SCIENCE GROUP

Certified that NOREEN ZIA

Son/Daughter Of ZIA UL HAQ

College/District The Country College (Girls) 608-K Shah Rukn-e-alam Multan

has passed AS A WHOLE the Intermediate Examination as a REGULAR candidate

DETAIL OF MARKS

SR#	SUBJECTS	MARKS	
		Maximum	Obtained
1	Urdu	200	161
2	English	200	164
3	Islamic Education	50	48
4	Pakistan Studies	50	41
5	Mathematics	200	167
6	Computer Studies	200	192
7	Physics	200	161
Total	(In Figure)	1100	934
Marks	(In Words) Nine Hundred Thirty Four		

Internal Grade: A+

External Grade: A+

**Multan,
Dated, the 12th September, 2018**



SECRETARY

No.SS. 956257

**BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN
(PAKISTAN)**



SECONDARY SCHOOL CERTIFICATE

Roll No. 172748

Reg.No. 0614-103014-132413

**ANNUAL EXAMINATION, 2016
GROUP : SCIENCE**

Certified that **NOREEN ZIA**
Daughter of **ZIA UL HAQ**
School **GOVT. GIRLS H.S.S. MOON LIGHT, MULTAN**
Date of Birth : 02-05-2000 (2nd May Two Thousand Only)
has passed AS A WHOLE the Secondary School Certificate Examination as a **REGULAR**
candidate.

DETAIL OF MARKS

Sr. No.	SUBJECTS	MARKS	
		Maximum	Obtained
1	Urdu	150	114
2	English	150	121
3	Islamiyat	100	92
4	Pakistan Studies	100	83
5	Mathematics	150	117
6	Physics	150	141
7	Chemistry	150	114
8	Computer Science	150	129
Total Marks (In Figures)		1100	911

(In Words) NINE HUNDRED AND ELEVEN

Internal Grade

A

External Grade

A+

Multan,
Dated, the 20th Jul, 2016.



SECRETARY