

# University of Education, Lahore



2018-2022

This is to certify that

HAFZA MUAZMA FIRDOUS  
daughter of NAZIR AHMAD

of

Jauharabad Campus

has obtained the degree of

Bachelor of Science in Mathematics

after fulfillment of all requirements of semester system  
with CGPA 3.77

*[Signature]*

Controller of Examinations

Date: 05 JAN 2023

*[Signature]*

Chancellor

## UNIVERSITY OF EDUCATION, LAHORE

ACADEMIC TRANSCRIPT  
Bachelor of Science in Mathematics

Student ID: bsf1802354  
 Name of Candidate: Hafza Muazma Firdous  
 Father's Name: Nazir Ahmad  
 Registration No: 18-UE-03864  
 Academic Session: Fall 2018-22  
 Result Notification Date: 22-Aug-2022

Date of Birth: 25-Sep-2001  
 Date of admission: 15-Oct-2018  
 Type of Enrollment: Open Merit  
 Shift: Morning  
 Mode of Study: Regular  
 Area of Specialization:



| Course Code            | Courses Title                          | Credit Hours | Max Marks               | Obt. Marks | Grade Point  | Grade |
|------------------------|----------------------------------------|--------------|-------------------------|------------|--------------|-------|
| Semester-I (Fall 2018) |                                        |              |                         |            |              |       |
| COMP1111               | Introduction to Information Technology | 3            | 100                     | 85         | 3.75         | A     |
| EDUC3111               | Foundations of Education               | 3            | 100                     | 60         | 2.5          | C     |
| ENGL1114               | Functional English                     | 3            | 100                     | 75         | 3.25         | B     |
| ISLA1111               | Islamic Studies                        | 2            | 100                     | 85         | 3.75         | A     |
| MATH1111               | Calculus-I                             | 3            | 100                     | 80         | 3.5          | A     |
| PHYS1111               | Mechanics-I                            | 4            | 100                     | 80         | 3.5          | A     |
| Total Semester Marks   |                                        | 600          | Obtained Semester Marks | 445        | Semester GPA | 3.36  |
|                        |                                        |              |                         |            | % Marks      | 78    |

| Course Code               | Courses Title                   | Credit Hours | Max Marks               | Obt. Marks | Grade Point  | Grade |
|---------------------------|---------------------------------|--------------|-------------------------|------------|--------------|-------|
| Semester-II (Spring 2019) |                                 |              |                         |            |              |       |
| COMP1113                  | Computing Tools for Mathematics | 3            | 100                     | 86         | 3.8          | A     |
| EDUC1112                  | General Methods of Teaching     | 3            | 100                     | 94         | 4            | A+    |
| ENGL1119                  | Communication Skills            | 3            | 100                     | 81         | 3.55         | A     |
| MATH1112                  | Calculus-II                     | 3            | 100                     | 95         | 4            | A+    |
| PAKS1111                  | Pakistan Studies                | 2            | 100                     | 81         | 3.55         | A     |
| PHYS1114                  | Mechanics-II                    | 4            | 100                     | 87         | 3.85         | A     |
| Total Semester Marks      |                                 | 600          | Obtained Semester Marks | 524        | Semester GPA | 3.81  |
|                           |                                 |              |                         |            | % Marks      | 87    |

| Course Code              | Courses Title                             | Credit Hours | Max Marks               | Obt. Marks | Grade Point  | Grade |
|--------------------------|-------------------------------------------|--------------|-------------------------|------------|--------------|-------|
| Semester-III (Fall 2019) |                                           |              |                         |            |              |       |
| EDUC2127                 | Short Term Teaching Practice-I            | 3            | 100                     |            |              | P     |
| EDUC3143                 | Educational Assessment                    | 3            | 100                     | 76         | 3.3          | B     |
| ENGL2115                 | Technical Writing and Presentation Skills | 3            | 100                     | 73         | 3.15         | B     |
| MATH2111                 | Calculus-III                              | 3            | 100                     | 91         | 4            | A+    |
| MATH2112                 | Elementary Set Theory                     | 3            | 100                     | 88         | 3.9          | A     |
| MATH2116                 | Analytic Geometry                         | 3            | 100                     | 90         | 4            | A+    |
| PHYS2111                 | Electricity and Magnetism-I               | 4            | 100                     | 85         | 3.75         | A     |
| Total Semester Marks     |                                           | 600          | Obtained Semester Marks | 603        | Semester GPA | 3.69  |
|                          |                                           |              |                         |            | % Marks      | 84    |

| Course Code               | Courses Title                              | Credit Hours | Max Marks               | Obt. Marks | Grade Point  | Grade |
|---------------------------|--------------------------------------------|--------------|-------------------------|------------|--------------|-------|
| Semester-IV (Spring 2020) |                                            |              |                         |            |              |       |
| EDUC2118                  | Curriculum Design and Instruction          | 3            | 100                     | 90         | 4            | A+    |
| MATH2113                  | Discrete Mathematics                       | 3            | 100                     | 90         | 4            | A+    |
| MATH2114                  | Elementary Linear Algebra                  | 3            | 100                     | 88         | 3.9          | A     |
| MATH2117                  | Ordinary Differential Equations            | 3            | 100                     | 91         | 4            | A+    |
| PHYS2114                  | Modern Physics and Electronics             | 4            | 100                     | 86         | 3.8          | A     |
| STAT2111                  | Introduction to Statistics and Probability | 3            | 100                     | 94         | 4            | A+    |
| Total Semester Marks      |                                            | 600          | Obtained Semester Marks | 539        | Semester GPA | 3.94  |
|                           |                                            |              |                         |            | % Marks      | 90    |

Prepared by  
 Checked By: [Signature]

Asst./Deputy Director Examinations

Controller of Examinations

Date of Issuance: 22-08-2022

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ACADEMIC TRANSCRIPT  
Bachelor of Science in Mathematics

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Area of Specialization:



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|------------------------|---------------------------------|--------------|-------------------------|------------|--------------|-------|
| Semester-V (Fall 2020) |                                 |              |                         |            |              |       |
| COMP1112               | Programming Fundamentals        | 4            | 100                     | 80         | 3.8          | A     |
| EDUC3160               | Short Term Teaching Practice-II | 3            | 100                     |            |              | P     |
| MATH3111               | Real Analysis-I                 | 3            | 100                     | 70         | 3            | B     |
| MATH3112               | Group Theory-I                  | 3            | 100                     | 90         | 4            | A+    |
| MATH3113               | Complex Analysis                | 3            | 100                     | 80         | 3.5          | A     |
| MATH3114               | Linear Algebra                  | 3            | 100                     | 95         | 4            | A+    |
| MATH3115               | Vector and Tensor Analysis      | 3            | 100                     | 77         | 3.35         | B     |
| Total Semester Marks   |                                 | 600          | Obtained Semester Marks | 488        | Semester GPA | 3.42  |
|                        |                                 |              |                         |            | % Marks      | 81    |

| Course Code               | Courses Title            | Credit Hours | Max Marks               | Obt. Marks | Grade Point  | Grade |
|---------------------------|--------------------------|--------------|-------------------------|------------|--------------|-------|
| Semester-VI (Spring 2021) |                          |              |                         |            |              |       |
| MATH3117                  | Real Analysis-II         | 3            | 100                     | 90         | 4            | A+    |
| MATH3118                  | Number Theory            | 3            | 100                     | 88         | 3.9          | A     |
| MATH3119                  | Introduction to Topology | 3            | 100                     | 93         | 4            | A+    |
| MATH3120                  | Mathematical Statistics  | 3            | 100                     | 88         | 3.9          | A     |
| PHYS3112                  | Classical Mechanics      | 3            | 100                     | 90         | 4            | A+    |
| Total Semester Marks      |                          | 500          | Obtained Semester Marks | 449        | Semester GPA | 3.98  |
|                           |                          |              |                         |            | % Marks      | 90    |

| Course Code              | Courses Title                     | Credit Hours | Max Marks               | Obt. Marks | Grade Point  | Grade |
|--------------------------|-----------------------------------|--------------|-------------------------|------------|--------------|-------|
| Semester-VII (Fall 2021) |                                   |              |                         |            |              |       |
| MATH4111                 | Functional Analysis               | 3            | 100                     | 86         | 3.8          | A     |
| MATH4112                 | Numerical Analysis-I              | 3            | 100                     | 83         | 3.65         | A     |
| MATH4113                 | Rings and Modules                 | 3            | 100                     | 87         | 3.85         | A     |
| MATH4115                 | Guests/Students Seminar-I         | 1            | 100                     | 90         | 4            | A+    |
| MATH4134                 | Partial Differential Equations    | 3            | 100                     | 86         | 3.8          | A     |
| PHYS3111                 | Mathematical Methods of Physics-I | 3            | 100                     | 97         | 4            | A+    |
| Total Semester Marks     |                                   | 600          | Obtained Semester Marks | 529        | Semester GPA | 3.83  |
|                          |                                   |              |                         |            | % Marks      | 88    |

| Course Code                 | Courses Title                  | Credit Hours | Max Marks               | Obt. Marks | Grade Point  | Grade |
|-----------------------------|--------------------------------|--------------|-------------------------|------------|--------------|-------|
| Semester-VIII (Spring 2022) |                                |              |                         |            |              |       |
| MATH4114                    | Thesis                         | 6            | 200                     | 184        | 4            | A+    |
| MATH4117                    | Differential Geometry          | 3            | 100                     | 96         | 4            | A+    |
| MATH4118                    | Numerical Analysis-II          | 3            | 100                     | 94         | 4            | A+    |
| MATH4120                    | Guests/Students Seminar-II     | 1            | 100                     | 93         | 4            | A+    |
| MATH4127                    | Introduction to Fluid Dynamics | 3            | 100                     | 89         | 3.95         | A     |
| Total Semester Marks        |                                | 600          | Obtained Semester Marks | 556        | Semester GPA | 3.99  |
|                             |                                |              |                         |            | % Marks      | 93    |

|                    |      |                  |      |                                |       |
|--------------------|------|------------------|------|--------------------------------|-------|
| Maximum Marks      | 4700 | Obtained Marks   | 4063 | Percentage                     | 86.45 |
| Total Credit Hours | 140  | Cumulative Grade | A    | Cumulative Grade point Average | 3.77  |

All requirements of degree have been completed. This Transcript is valid when signed and stamped by the Controller of Examinations, University of Education, Lahore (Pakistan).

Prepared by

Asst./Deputy Director Examinations

Controller of Examinations

Checked By:

Date of Issuance: 22-08-2022

Disclaimer: This result card is issued provisionally, errors and omission excepted, as a notice only. Any entry appearing in this card does not itself confer any right or privilege on a candidate for the grant of certificate/degree/diploma, which will be issued under the rules/regulations on the basis of the original record of the university student.