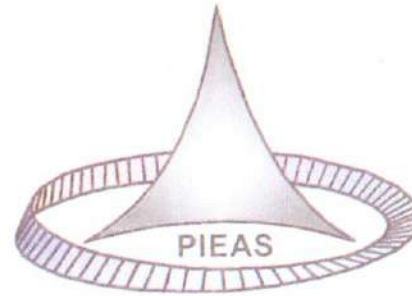


Reg. No : 07-6-2-012-2023

Sr. No. 007723

Pakistan Institute of Engineering & Applied Sciences



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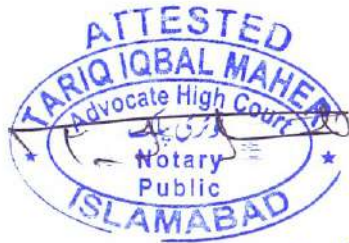
This is to certify that

Muhammad Ahmed s/o Abdul Majeed

has been admitted to the degree of

Master of Science in Physics

(Requirements of this degree were completed on 3rd day of November, 2025)



13 JAN 2026

A. I. Ullah
Registrar



M. J. Khan
Rector

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Roll No.

F21NPHYS1M03031

Registration No.

F21NPHYS1M03031

Serial No. 041001

Session 2021-2023



The Islamia University of Bahawalpur

Upon successfully pursuing the prescribed course of study do here confer upon

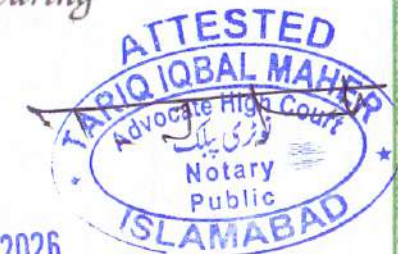
Muhammad Ahmed S/D of Abdul Majeed

**The Degree of
BS (Physics)**

together with all honours, rights privileges pertaining thereto

He/She passed Four semester and was placed in Grade B+ by securing
CGPA 3.97 out of 4.00

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13 JAN 2026

M. Baligh in Rahim

Controller of Examinations



Date: 31-05-2023

Vice Chancellor

Chancellor

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Roll No. 37465
Registration No. 2018-BN-86

Serial No. 0157403
Session 2020



The Islamia University of Bahawalpur

Muhammad Ahmed S/D of Abdul Majeed

CERTIFIED TO BE TRUE COPY

of the *Govt. Post Graduate College Bahawalnagar* as a *Regular* candidate

The Degree of Bachelor of Science

He/she passed *Two Years* examination held in *November, 2020* and
was placed in the *First* Division by securing *645* Marks out of *800*

Controller of Examinations

Date: 08-03-2021



M. Baligh-ur-Rahman

Chancellor



13 JAN 2026

Pakistan Institute of Engineering and Applied Sciences

Nilore, Islamabad, Pakistan



REGISTRATION AND EXAMINATION DIVISION

TRANSCRIPT

Serial No: 007723

Reg No: 07-6-2-012-2023

Student's Name: Muhammad Ahmed

Father's Name: Abdul Majeed

Department/Institute: Department of Physics and Applied Mathematics, PIEAS

Degree Program: MS Physics

Date of Issuance: Wednesday, November 05, 2025

Date of Admission: Monday, February 12, 2024

Date of Completion: Monday, November 03, 2025

Semester	Code	Course Title	CHr	LG	GP	GPA	CGPA	CCHr	Status
Spring-2024	CMS-501	Communication Skills	1	A-	3.67	3.36	3.36	13	Promoted
	PAM507	Mathematical Physics	3	A	4.00				
	PAM508	Classical & Relativistic Mechanics	3	B-	2.67				
	PAM511	Modern Quantum Mechanics	3	A-	3.67				
	PAM512	Electrodynamics	3	B	3.00				
	CMS-511	Grooming and Sprucing (Self Discipline)	NC	Satisfactory					
Summer Session-2024	PAM508	Classical & Relativistic Mechanics [I,A:2]	3	A	4.00	3.34	3.67	13	Promoted
	PAM512	Electrodynamics [I,A:2]	3	B-	2.67				
Fall-2024	LSP604	Quantum Information with Atoms and Photons	3	A-	3.67	3.34	3.51	25	Promoted
	PAM510	Statistical Physics	3	B	3.00				
	PAM546	Graduate Physics Laboratory	3	A-	3.67				
	PAM641	Quantum Optics	3	B	3.00				
	CMS-512	Grooming and Sprucing (Personal & Professional Development)	NC	Satisfactory					
Spring-2025	PAM-698	Thesis Research-I	6	Research in Progress			3.51	31	Promoted
Summer-2025	PAM-698	Thesis Research-II	6	Very Good			3.51	37	Passed

-----End of Transcript-----

Note: Errors / Omissions excepted.

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13 JAN 2026



CONTROLLER OF EXAMINATIONS

Explanatory Notes

1) The Academic Year comprised of three Semesters as follows:-

1. Spring Semester: (January to May)
2. Summer Semester: (June to August)
3. Fall Semester: (September to December)
4. Semester Duration: (18 weeks including Examination for graduate / under-graduate respectively)

2) A course of one credit represents one hour of lectures/three hours of laboratory work per week for a period of 14/16 weeks for graduate / under-graduate degrees respectively.

3) Each course carries 100 marks. 50% of which are reserved for Class Test / Assignment and 50% for Terminal Examinations. Minimum pass marks in each course are 50%.

4) The correspondence between the percentage marks, letter grade and GP for each course is as follows:

% Marks	GP	Letter Grade
≥85	4.0	A ⁺
80-84	4.0	A
75-79	3.67	A ⁻
70-74	3.33	B ⁺
65-69	3.00	B
60-64	2.67	B ⁻
55-59	2.33	C ⁺
50-54	2.00	C
45-49	1.00	D
<45	0.00	F

5) Students securing marks less than 50 but ≥ 45 in any lecture or lab course is awarded GP = 1.0. This GP will be counted towards calculation of GPA. However, the student would be required to repeat this subject, to obtain a minimum of LG = C, GP = 2 or %Marks = 50.

6) The grades obtained in the thesis, project work and clinical training required for Medical Physics are not counted towards the calculation of Grade Point Average except for the degrees offered by the Department of Medical Sciences. The grades are as follows:

% Marks	Grade
≥90	Excellent
80-89	Very Good
70-79	Good
60-69	Fair
50-59	Satisfactory
<50	Unsatisfactory

7) A student failing to obtain a minimum Grade Point Average of 2.67 / 2.33 (for graduate / under-graduate respectively) is placed on probation provided his Grade Point Average is not less than 1.0.

8) Two / Three consecutive probations are not permissible for the graduate/under-graduate degrees respectively.

9) In case of repetition of courses, only the best score is counted toward the CGPA.

10) CGPA/GPA is rounded off to two decimal places.

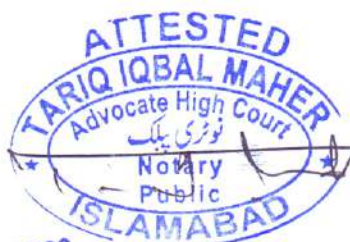
11) To qualify for the award of degree a minimum CGPA of 3.0/2.67/2.33 is required for Ph.D / graduate / under-graduate.

KEY FOR ABBREVIATIONS

Abbreviation	Description
LG	Letter Grade
GP	Grade Point
GPA	Grade Point Average
CGPA	Cumulative Grade Point Average
Chr	Credit Hours
CCHr	Cumulative Credit Hours
[R.A.n]	Repeat Attempt Number
[I.A.n]	Improvement Attempt Number
CDp	Course Dropped
NC	Non Credit Course
Tr	Credit Transfer
RC	Research Continued
FA	Failure due to Short Attendance



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13 JAN 2026



THE ISLAMIA UNIVERSITY OF BAHAWALPUR

OFFICIAL TRANSCRIPT

Session: 2021-2023

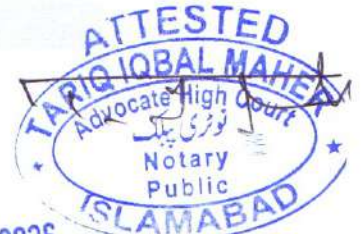


Name: Muhammad Ahmed Father's Name: Abdul Majeed
Registration No.: F21NPHYS1M03031 Program: BS Physics
Date of Birth: 20/09/1999 Date of Admission: 20/10/2021

Course Code	Course Title	Credit Hours	QP	Grade	Remarks
5th Semester Fall 2021					
PHY-01504	Atomic & Molecular Physics	3 (3-0)	12	A+	
PHY-01505	Physics Lab.-V	2 (0-2)	8	A	
PHY-01501	Mathematical Methods-I	3 (3-0)	12	A	
PHY-01506	Electronics - I	4 (3-1)	16	A	
PHY-01204	Basic Computer Programming	3 (1-2)	0	P	
PHY-01502	Solid State Physics	3 (3-0)	12	A	
PHY-01503	Classical Mechanics	3 (3-0)	12	A	
Semester Marks: 546/600		SGPA: 4.00	18 (15-3)	72	CGPA: 4.00
6th Semester Spring 2022					
PHY-01601	Mathematical Methods-II	3 (3-0)	12	A+	
PHY-01602	Thermal & Statistical Physics	3 (3-0)	12	A+	
PHY-01603	Computational Physics	4 (3-1)	16	A	
PHY-01604	Physics Lab.-VI	2 (0-2)	8	A	
PHY-01605	Electronics - II	4 (3-1)	16	A	
PHY-01101	Fundamentals of Mechanics	4 (3-1)	0	P	
Semester Marks: 466/500		SGPA: 4.00	16 (12-4)	64	CGPA: 4.00
7th Semester Fall 2022					
PHY-01302	Concepts of Modern Physics	3 (3-0)	0	P	
PHY-01708	Advance Solid State Physics	3 (3-0)	12	A	
PHY-01701	Nuclear Physics - I	3 (3-0)	12	A+	
PHY-01711	Seminar (Project)	1 (1-0)	3.9	B+	
PHY-01704	Physics Lab. -VII	2 (0-2)	6.2	B	
PHY-01703	Quantum Mechanics-I	3 (3-0)	12	A	
PHY-01702	Electrodynamics -I	3 (3-0)	12	A	
Semester Marks: 529/600		SGPA: 3.87	15 (13-2)	58.1	CGPA: 3.96
8th Semester Spring 2023					
PHY-01803	Quantum Mechanics - II	3 (3-0)	12	A	
PHY-01802	Electrodynamics - II	3 (3-0)	12	A+	
PHY-01812	Project (Report + V.V.)	3 (3-0)	12	A	
PHY-01809	Medical Physics	3 (3-0)	12	A	
PHY-01801	Nuclear Physics - II	3 (3-0)	12	A	
Semester Marks: 464/500		SGPA: 4.00	15 (15-0)	60	CGPA: 3.97

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To be
NOTARIZED to
take effect in all
countries outside
Pakistan



Obtained Marks:

2005

Total Quality Points:

254.1

Total Marks:

2200

Total Credit Hours:

64

Percentage:

91.14%

Cumulative Grade Point Average:

3.97

Result Declared on:

31-05-2023

Overall Grade:

B+

Incharge Examination

Dean/Director/Chairperson

Ant/Deputy/Controller

Examination

Note: Errors and Omissions are Excepted.



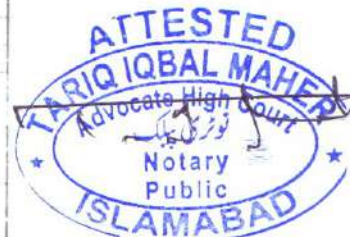
REFERENCE
NO Phy/04/BUN

GRADING CRITERIA/ READY RECKONOR TABLE

Students are rated per the 4-letter grade system i.e. A, B, C and D, with six performance levels of A+, A, B+, B, C and D for Bachelor & Master Degree. Grade F will be the failing grade. Equivalence between letter grades, grade points along with percentages are as follows:

Numeric Equivalence	Grade Point	Letter Grade	Remarks
100	4.0	A+	Excellent
99	4.0	A+	Excellent
98	4.0	A+	Excellent
97	4.0	A+	Excellent
96	4.0	A+	Excellent
95	4.0	A+	Excellent
94	4.0	A	Very Good
93	4.0	A	Very Good
92	4.0	A	Very Good
91	4.0	A	Very Good
90	4.0	A	Very Good
89	4.0	A	Very Good
88	4.0	A	Very Good
87	4.0	A	Very Good
86	4.0	A	Very Good
85	4.0	A	Very Good
84	3.9	B+	Good
83	3.9	B+	Good
82	3.8	B+	Good
81	3.7	B+	Good
80	3.7	B+	Good
79	3.6	B	Good
78	3.5	B	Good
77	3.5	B	Good
76	3.4	B	Good
75	3.3	B	Good
74	3.3	B	Good
73	3.2	B	Good
72	3.1	B	Good
71	3.1	B	Good
70	3.0	B	Good
69	2.9	C	Satisfactory
68	2.8	C	Satisfactory
67	2.7	C	Satisfactory
66	2.6	C	Satisfactory
65	2.5	C	Satisfactory
64	2.4	C	Satisfactory
63	2.3	C	Satisfactory
62	2.2	C	Satisfactory
61	2.1	C	Satisfactory
60	2.0	C	Satisfactory
59	1.9	D	Poor
58	1.8	D	Poor
57	1.7	D	Poor
56	1.6	D	Poor
55	1.5	D	Poor
54	1.4	D	Poor
53	1.3	D	Poor
52	1.2	D	Poor
51	1.1	D	Poor
50	1.0	D	Poor
49 or below	0.0	F	Fail

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13 JAN 2026



Serial No. 55372

The Islamia University of Bahawalpur



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RESULT CARD

Bachelor of Science(B.Sc.) First Annual Examination, 2020.

Roll No: 37465

Registration No: 2018-BN-86

Name of the Candidate: MUHAMMAD AHMED

Father's Name: ABDUL MAJEED



Candidate mentioned above is hereby informed that he / she has passed in the Bachelor of Science(B.Sc.) Exam held in November, 2020 obtaining **645 / 800** marks and placed in **Ist** Division. The minimum passing marks are 33%.

The marks obtained by him / her in various subjects are given below:-

Course Title	Marks Obtained	Total Marks
English Language(Compulsory)	90	100
Islamiyat/Ethics and Pakistan Studies(Compulsory)	73	100
Mathematics A Course	182	200
Mathematics B Course	146	200
Physics	154	200
Total	645	800

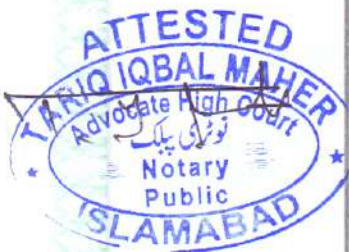
Marks in Words: Six Hundred Forty Five Only

Result Declaration Date: 08-03-2021

Date of Issue: 08-03-2021

Assistant Controller Exams

Errors and Omissions Excepted



13 JAN 2026



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Board of Intermediate and Secondary Education, Bahawalpur (Pakistan)

Certificate
NO. BBH 444612

Roll No. 502663

Category: Improved The Marks



Session: 2015-17



Intermediate (Annual) Examination, 2018

Group GENERAL SCIENCE

Certified that MUHAMMAD AHMED
Son/Daughter of ABDUL MAJEED
Enrollment No. 2150720291
Institute/District BAHAWALNAGAR
has passed in PARTS the Intermediate Examination conducted by this Board
as a PRIVATE candidate and has obtained grade A.

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SUBJECT-WISE DETAIL OF MARKS

S.No.	SUBJECT	MARKS		Practical Grade
		Maximum	Obtained	
1.	URDU	200	148	
2.	ENGLISH	200	111	
3.	ISLAMIC EDUCATION	50	44	
4.	PAKISTAN STUDIES	50	45	
5.	MATHEMATICS	200	125	
6.	COMPUTER SCIENCE	200	188	
7.	PHYSICS	200	153	
TOTAL MARKS (in Figures)		1100	814	

80% to
take effect in all
courts-out side
Pakistan

ATTESTED

TARIQ IQBAL MAHA

Advocate High Court

Notary
Public

ISLAMABAD

13 JAN 2026

Marks In Words: EIGHT HUNDRED FOURTEEN

Result Declaration Date: 12-09-2018

Dated: 02-Jan-2020

SECRETARY



Note:- This certificate is for the use of the candidate only. It is not to be used for any other purpose.

No.SS. 857270

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



SECONDARY SCHOOL CERTIFICATE

Roll No. **614324**

Reg.No. 0613N-101048-107287

ANNUAL EXAMINATION, 2015

GROUP : SCIENCE

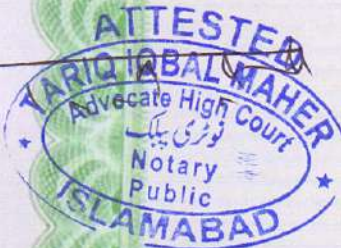
Certified that **MUHAMMAD AHMED**
Son of **ABDUL MAJEED**
School **GOVT. MOIN-UL-ISLAM HIGH SCHOOL, MIANCHANNU**
Date of Birth : **20-09-1999** (20th September Nineteen Hundred & Ninety Nine)
has passed AS A WHOLE the Secondary School Certificate Examination as a **REGULAR**
candidate.

CERTIFIED TO BE TRUE COPY

DETAIL OF MARKS

Sr. No.	SUBJECTS	MARKS	
		Maximum	Obtained
1	Urdu	150	121
2	English	150	116
3	Islamiyat	100	83
4	Pakistan Studies	100	87
5	Mathematics	150	85
6	Physics	150	91
7	Chemistry	150	88
8	Computer Science	150	123
Total Marks (In Figures)		1100	794

(In Words) **SEVEN HUNDRED AND NINETY FOUR**



13 JAN 2026

Internal Grade **A+**

External Grade **A**

Multan,
Dated, the **25th Jul, 2015.**



SECRETARY