



COMSATS University Islamabad

TRANSCRIPT

0099633

Date: 04-Sep-2023

Certified that HANIYYAH UL IRSHAD d/o MUHAMMAD IRSHAD Registration No. CIIT/FA19-BSM-021/ISB Department of Mathematics has completed and passed all the requisite courses / examinations for the degree of Bachelor of Science in Mathematics, on 20th July 2023, taught as a Regular Mode of study from Islamabad Campus.

Date of Birth : 23-Jan-2001



The details of the courses passed are as follows:

Course Code	Semester / Course Title	Cr.	LG	CP	Course Code	Semester / Course Title	Cr.	LG	CP
Fall 2019					Fall 2021				
CSC101	Introduction to Computing	3	A-	11.1	MTH321	Real Analysis I	3	B	9.0
HUM100	English Comprehension and Composition	3	A-	11.1	MTH375	Numerical Computations	3	A	12.0
HUM110	Islamic Studies	3	B-	8.1	MTH376	Mechanics II	3	A-	11.1
MTH101	Calculus I	3	A-	11.1	MTH382	Analytical Dynamics	3	A-	11.1
MTH112	Set Theory and Logic	3	B-	8.1	STA365	Mathematical Statistics	3	A	12.0
MTH231	Linear Algebra	3	A-	11.1	Spring 2022				
Spring 2020					MTH322	Real Analysis II	3	A-	11.1
CSC141	Introduction to Computer Programming	4	A-	14.8	MTH324	Complex Analysis	3	B-	8.1
HUM103	Communication Skills	3	A	12.0	MTH327	Functional Analysis	3	A-	11.1
HUM434	Chinese	3	A	12.0	MTH352	Differential Geometry	3	A-	11.1
MTH102	Calculus II	3	B+	9.9	MTH435	Analytical Number Theory	3	B	9.0
MTH211	Discrete Mathematics	3	A	12.0	Fall 2022				
PHY122	Electricity and Magnetism	3	A-	11.1	MTH344	Special Functions	3	B+	9.9
Fall 2020					MTH415	Rings and Modules	3	B+	9.9
CSC111	Algorithms	3	A	12.0	MTH463	Numerical Solutions of Ordinary Differential Equations	3	A	12.0
HUM102	Report Writing Skills	3	A-	11.1	MTH493	Elements of Electromagnetic Theory	3	A	12.0
HUM221	International Relations	3	A-	11.1	MTH499 *	Project Report	3	IP	0.0
MTH203	Calculus III	3	A	12.0	Spring 2023				
MTH232	Abstract Algebra	3	B+	9.9	MTH414	Galoise Theory	3	A	12.0
MTH241	Ordinary Differential Equations	3	A	12.0	MTH467	Operations Research	3	A	12.0
Spring 2021					MTH486	Fluid Mechanics	3	A	12.0
HUM111	Pakistan Studies	3	A	12.0	MTH494	Sampling and Design Analysis	3	A	12.0
MTH251	Set Topology	3	A	12.0	MTH499	Project Report	6	A	24.0
MTH281	Mechanics I	3	A	12.0					
MTH282	Tensor Analysis	3	B+	9.9					
MTH343	Partial Differential Equations	3	B+	9.9					
MTH480	Introductory Quantum Mechanics	3	A-	11.1					

Total Credit Hours Registered: 136
 * Discounted Credit Hours: 3
 Net Credit Hours Passed: 133
 Total CP: 488.8
 CGPA: 3.68

Controller of Examinations

Rs.700



HIGHER EDUCATION COMMISSION
PAKISTAN



2068052

ATTESTED

Sohail Abdullah Aziz
Attestation Officer

08 SEP 2023

Higher Education Commission
Government of Pakistan
Islamabad

Errors/Omissions Excepted

EXPLANATORY NOTES

1. The following explanations are to assist the reader with the interpretation of the transcript.
2. The Academic year normally comprises two regular semesters i.e. (16 weeks each) and summer session (8 weeks).
3. English is the medium of instruction.

4. **Legend**

Cr.	Credit of Courses
GP	Grade Point
L.G.	Letter Grade
CGPA	Cumulative Grade Point Average
NC	Non Credit
WD	Withdrawal
*IP	In Progress

*Awarded in the first semester (generally of split semester course) and/or subsequent semesters if the performance of the student was satisfactory. Has no grading and/or credit value for result calculation purpose.

5. **Credit Value Definition**

A course of one credit represents one hour of lecture / three hours laboratory work per week, per semester.

6. **Discounted Credit Hours**

In case of course is repeated due to failure or improvement, its credit hours are counted only once, hence the term "discounted credit hours".

7. **Marks**

- a. Each course carries 100 marks of which 50% are reserved for sessionals, quizzes, assignments, practicals & 50% marks for the terminal examinations.
- b. Minimum pass marks in each course are 50%.

8. **Grading System**

(Marks %)	(Letter Grade)	(Grade Points)
90 & Above	A (Superior / Excellent)	4.0
85 – 89	A-	3.7
80 – 84	B+	3.3
75 – 79	B (Above Average / Good)	3.0
70 – 74	B-	2.7
65 – 69	C+	2.3
60 – 64	C (Competent Average)	2.0
55 – 59	C-	1.7
50 – 54	D (Minimum Passing)	1.3
Less than 50	F (Fail)	0.0

Note: This Transcript is issued without alteration or erasure.

Prepared By: _____

Checked By: _____

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