



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA
GRADE CARD
MASTER OF SCIENCE (5 YEAR INTEGRATED PROGRAMME)

Name : **AROHAN PAUL**

Roll No. : **414MA5097**

Department : **MATHEMATICS**

Joined : **AY 2014-15** Graduated : **AY 2018-19**

BACHELOR OF SCIENCE (3 Years)
[Part-I of 5 Year Integrated M.Sc. Programme]

1st Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CE100	Engineering Mechanics	3-1-0	4	C
CY101	Chemistry	3-1-0	4	EX
EE100	Basic Electrical Engineering	3-1-0	4	D
MA101	Mathematics - I	3-1-0	4	D
PH101	Physics - I	3-1-0	4	EX
CE171	Engineering Drawing	0-0-3	2	A
CS171	Computing Laboratory - I	0-0-3	2	A
PH170	Physics Laboratory	0-0-3	2	C
WS171	Workshop Practice I	0-0-3	2	A
EA175	Physical Education-I	0-0-3	2	EX
Semester Credits : 30		Semester Grade Point Average (SGPA):		8.13
Total Credits : 30		Cumulative Grade Point Average (CGPA):		8.13

2nd Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CE130	Environment and Safety Engineering	3-1-0	4	A
CS102	Data Structures and Algorithms	3-1-0	4	B
EC100	Basic Electronics Engineering	3-1-0	4	A
MA102	Mathematics - II	3-1-0	4	A
PH102	Physics - II	3-1-0	4	A
CS172	Computing Laboratory - II	0-0-3	2	A
CY170	Chemistry Laboratory	0-0-3	2	A
ME170	Machine Drawing and Solid Modeling	0-0-3	2	B
WS172	workshop Practice - II	0-0-3	2	EX
EA174	NSS-II	0-0-3	2	A
Semester Credits : 30		Semester Grade Point Average (SGPA):		8.87
Total Credits : 60		Cumulative Grade Point Average (CGPA):		8.50

3rd Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CY211	Basic Organic Chemistry-I	3-1-0	4	A
CY435	Introduction to Nanoscience and Nanotechnology	3-0-0	3	B
MA203	Introduction to Real Analysis	3-0-0	3	A
MA205	Introduction to Numerical Analysis	3-0-0	3	A
PH203	Optics	3-0-0	3	B
CY271	Basic Organic Chemistry Laboratory	0-0-3	2	B
MA270	Numerical Methods Laboratory	0-0-3	2	A
MA271	Simulation Laboratory - I	0-0-3	2	EX
PH271	Waves and Optics Laboratory	0-0-3	2	EX
Semester Credits : 24		Semester Grade Point Average (SGPA):		8.83
Total Credits : 84		Cumulative Grade Point Average (CGPA):		8.60

4th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CY221	Basic Inorganic Chemistry - I	3-1-0	4	A
CY232	Chemical Kinetics	3-0-0	3	A
MA204	Introduction to Complex Analysis	3-0-0	3	EX
MA232	Introduction to Mathematical Methods	3-0-0	3	A
PH202	Electricity and Magnetism	3-0-0	3	EX
CY272	Basic Physical Chemistry Laboratory	0-0-3	2	A
HS270	Language Laboratory	0-0-3	2	A
MA272	Simulation Laboratory - II	0-0-3	2	B
PH272	Electricity and Magnetism Laboratory	0-0-3	2	B
Semester Credits : 24		Semester Grade Point Average (SGPA):		9.08
Total Credits : 108		Cumulative Grade Point Average (CGPA):		8.70

5th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CY231	Basic Physical Chemistry-I	3-1-0	4	A
PH407	Quantum Mechanics - I	3-1-0	4	C
MA301	Algebra	3-0-0	3	EX
MA321	Introduction to number Theory	3-0-0	3	A
PH341	Treatise of Einstein Work and Beyond	3-0-0	3	A
CY371	Basic Inorganic Chemistry Laboratory	0-0-3	2	A
MA371	Laboratory Work on Mathematical Software	0-0-3	2	B
MA373	Numerics of Ordinary differential equations	0-0-3	2	B
PH371	Properties of Matter Laboratory	0-0-3	2	A
Semester Credits : 25		Semester Grade Point Average (SGPA):		8.64
Total Credits : 133		Cumulative Grade Point Average (CGPA):		8.69

6th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CY321	Basic Inorganic Chemistry - II	3-1-0	4	B
BM434	Sports Biomechanics	3-0-0	3	B
MA322	Introduction to Linear Programming	3-0-0	3	EX
MA324	Probability	3-0-0	3	B
PH206	Introduction to Classical Mechanics	3-0-0	3	A
CY372	Quantitative Analysis of Inorganic/Organic Compounds Laboratory	0-0-3	2	A
MA372	Statistics Laboratory using different Software	0-0-3	2	B
MA374	Laboratory Work on Number Theory	0-0-3	2	EX
PH372	Thermal Laboratory	0-0-3	2	A
Semester Credits : 24		Semester Grade Point Average (SGPA):		8.71
Total Credits : 157		Cumulative Grade Point Average (CGPA):		8.69

Name : AROHAN PAUL
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MASTER OF SCIENCE (2 Years)
[Part-II of 5 Year Integrated M.Sc. Programme]

7th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
MA401	Real Analysis	3-0-0	3	A
MA403	Linear Algebra	3-0-0	3	C
MA405	Partial Differential Equations	3-0-0	3	P
MA407	Topology	3-0-0	3	EX
PH321	Physics of Semiconducting Materials	3-0-0	3	D
MA471	Programming Practice Laboratory - I	0-0-3	2	A
MA473	Programming Practice Laboratory - II	0-0-3	2	A
MA475	Laboratory work on wavelets	0-0-3	2	A
MA477	Soft Computing Laboratory-I	0-0-3	2	EX
Semester Credits : 23		Semester Grade Point Average (SGPA):		8.04
Total Credits : 180		Cumulative Grade Point Average (CGPA):		8.61

8th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
EC440	Soft Computing Techniques	3-0-0	3	B
MA402	Measure Theory	3-0-0	3	A
MA404	Complex Analysis	3-0-0	3	EX
MA406	Abstract Algebra	3-0-0	3	EX
MA432	Numerical Analysis	3-0-0	3	B
MA472	Numerics of Partial Differential Equations	0-0-3	2	A
MA474	Programming Practice Laboratory - III	0-0-3	2	B
MA476	Laboratory Work on Matrix Theory	0-0-3	2	B
MA478	Soft Computing Laboratory - II	0-0-3	2	A
Semester Credits : 23		Semester Grade Point Average (SGPA):		8.83
Total Credits : 203		Cumulative Grade Point Average (CGPA):		8.64

9th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
HS430	Social Movements in India	3-0-0	3	B
MA501	Functional Analysis	3-0-0	3	B
MA514	Homotopy Theory	3-0-0	3	A
MA521	Probability and Statistics	3-0-0	3	A
MA571	Statistics Laboratory - I	0-0-3	2	A
MA573	Computational Fluid Dynamics Laboratory - I	0-0-3	2	D
MA575	Optimization Laboratory - I	0-0-3	2	A
MA593	Seminar and Technical Writing - I	0-0-0	2	B
MA591	Research Project - I	0-0-0	4	A
MA595	Short term Industrial/Research Experience	0-0-0	2	EX
Semester Credits : 26		Semester Grade Point Average (SGPA):		8.54
Total Credits : 229		Cumulative Grade Point Average (CGPA):		8.62

10th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
HS327	Cognitive Science	3-0-0	3	B
MA532	Fluid Dynamics	3-0-0	3	C
MA5333	Finite Difference Methods	3-0-0	3	C
MA546	Differentiable Manifolds	3-0-0	3	A
MA572	Statistics Laboratory - II	0-0-3	2	B
MA574	Computational Fluid Dynamics Laboratory - II	0-0-3	2	B
MA576	Optimization Laboratory - II	0-0-3	2	B
MA594	Seminar and Technical Writing - II	0-0-0	2	A
MA592	Research Project - II	0-0-0	4	B
MA596	Comprehensive Viva Voce	0-0-0	2	B
Semester Credits : 26		Semester Grade Point Average (SGPA):		7.96
Total Credits : 255		Cumulative Grade Point Average (CGPA):		8.56

CGPA of B.Sc. (1st - 6th Semester) : 8.69

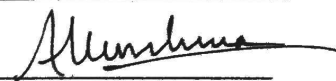
CGPA of M.Sc. (7th - 10th Semester) : 8.34

Overall CGPA of Integrated M.Sc. (1st - 10th Semester) : 8.56

REMARKS :	Performance	Grade	Grade Point	Performance	Grade	Grade Point	Performance	Grade	Grade Point
	Excellent	Ex	10	Fair	C	7	Fail	F	2
	Very Good	A	9	Average	D	6	Incomplete Assessment	I	-
	Good	B	8	Pass	P	5	Debarred	X	-

Date : 29 May 2019

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COMPARED BY


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