

HOMI BHABHA NATIONAL INSTITUTE

(A deemed University under section-3 of UGC Act, 1956)



ACADEMIC TRANSCRIPT

Program conducted at

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
Bhubaneswar

(An off-campus centre of HBNI and autonomous institute under Department of Atomic Energy, Govt. of India)



Homi Bhabha National Institute, Mumbai

(A University established under Section-3 of the UGC Act, 1956)

Programme conducted at
National Institute of Science Education and Research, Bhubaneswar
 (An Off-Campus Centre of Homi Bhabha National Institute, Mumbai, India)

TRANSCRIPT OF RECORDS

Programme Name		: M.Sc. (5 Year Integrated)	Discipline		: Life Sciences	
Student Name		: Soumyadeep Chakraborty	Enrollment No.		: LIFE11201713034	
Date of Joining		: 01/08/2017	Date of Completion		: 27/05/2022	
Semester	Course Code	Course Name	Credits	Grade	Grade Point	SGPA
I	B101	BIOLOGY I: SCIENCE OF LIFE	3	AB	27	
	B141	BIOLOGY LABORATORY-I	2	AB	18	
	C101	CHEMISTRY I	3	CD	15	
	C141	CHEMISTRY LAB I	2	AA	20	
	CS141	PROGRAMMING AND DATA STRUCTURES LAB-I	2	AB	18	
	H101	INTRODUCTION TO ECONOMICS	2	AA	20	
	H109	TECHNICAL COMMUNICATION-I	2	AA	20	
	M101	MATHEMATICS I	3	CC	18	
	P101	MECHANICS AND THERMODYNAMICS	3	CC	18	
	P141	PHYSICS LABORATORY I	2	AA	20	
Total			24		194	8.08
II	B102	BIOLOGY II: CELLULAR AND GENETIC BASIS OF LIFE	3	BB	24	
	B142	BIOLOGY LABORATORY-II	2	AB	18	
	C102	CHEMISTRY II	3	AA	30	
	C142	CHEMISTRY LAB II	2	AA	20	
	CS142	PROGRAMMING AND DATA STRUCTURES LAB -II	2	AB	18	
	H110	TECHNICAL COMMUNICATION-II	2	AA	20	
	H133	INTRODUCTION TO SOCIOLOGY	2	AA	20	
	M102	MATHEMATICS II	3	DD	12	
	P102	ELECTRICITY, MAGNETISM AND OPTICS	3	BC	21	
	P142	PHYSICS LABORATORY II	2	AB	18	
Total			24		201	8.38
III	B201	MICROBIOLOGY	4	AB	36	
	B202	BIOCHEMISTRY	4	AB	36	
	B203	BIOPHYSICS AND BIOSTATISTICS	4	BB	32	
	B241	LABORATORY-(MICROBIOLOGY)	2	AB	18	
	B242	LABORATORY-(BIOCHEMISTRY)	2	BB	16	
	C203	REACTION MECHANISMS IN ORGANIC CHEMISTRY	4	AB	36	
	H209	SPECULATIVE FICTION	2	AB	18	
	H238	LIFE AND COMMUNITY IN URBAN WORLD	2	AB	18	
Total			24		210	8.75
IV	B204	CELL BIOLOGY	4	AB	36	
	B205	GENETICS	4	AB	36	
	B243	LABORATORY-(CELL BIOLOGY)	2	AA	20	
	B244	LABORATORY-(GENETICS)	2	BB	16	
	B352	ENDOCRINOLOGY	4	AA	40	
	C204	REAGENTS IN ORGANIC SYNTHESIS	4	BB	32	
	H205	ENVIRONMENTAL ECONOMICS AND ENVIRONMENTAL IMPACT ASSESSMENT	2	AB	18	
	H237	SCIENCE COMMUNICATION AND THE CITIZENSHIP	2	AA	20	
Total			24		218	9.08
V	B301	PHYSIOLOGY-I (ANIMAL)	4	AB	36	
	B302	PHYSIOLOGY-II (PLANT)	4	AB	36	
	B303	ECOLOGY	4	AB	36	
	B342	LABORATORY-(PLANT PHYSIOLOGY)	2	AB	18	
	B351	PRINCIPLES OF DRUG DESIGN	4	AA	40	
	C201	BASIC INORGANIC CHEMISTRY	4	AB	36	
	H235	SOCIOLOGY OF SCIENCE AND TECHNOLOGY	2	AA	20	
Total			24		222	9.25
VI	B304	MOLECULAR BIOLOGY	4	BB	32	
	B305	IMMUNOLOGY	4	AA	40	
	B306	EVOLUTIONARY BIOLOGY	4	AB	36	
	B343	LABORATORY-(MOLECULAR BIOLOGY)	2	AA	20	
	B344	LABORATORY-(IMMUNOLOGY)	2	AA	20	
	B353	PLANT DEVELOPMENTAL BIOLOGY	4	AA	40	
	C304	COORDINATION CHEMISTRY	4	AB	36	
Total			24		224	9.33

Semester	Course Code	Course Name	Credits	Grade	Grade Point	SGPA
VII	B402	DEVELOPMENTAL BIOLOGY	4	BB	32	
	B403	BIOINFORMATICS	4	AB	36	
	B451	ADVANCED CELL BIOLOGY	4	AA	40	
	B452	GENETIC ENGINEERING	4	AB	36	
	B460	VIROLOGY	4	AA	40	
	B498	BIOLOGY PROJECT	4	AB	36	
Total			24		220	9.17
VIII	B405	BIOTECHNIQUES	4	AB	36	
	B499	BIOLOGY PROJECT	8	AA	80	
	B554	CANCER BIOLOGY	4	AA	40	
	B556	IMMUNE REGULATION AND INFECTION IMMUNITY	4	AB	36	
	B558	QUANTITATIVE BIOLOGY	4	AB	36	
Total			24		228	9.50
IX	B 598	BIOLOGY PROJECT	24	AA	240	
Total			24		240	10.00
X	B599	BIOLOGY DISSERTATION	24	AA	240	
Total			24		240	10.00
			Total Credits = 240		CGPA : 9.15	

Date: 15/07/2022

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Dean (AA)

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Director

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Checked by: APO/AO-I

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Prepared by: UDC/OA MS



NOTE:

1. Medium of Instruction: **ENGLISH**
2. The letter grades and the corresponding grade points in the 10-point scale are as follows:

AA	AB	BB	BC	CC	CD	DD
10	9	8	7	6	5	4

3.

SGPA: Semester Grade Point Average	CGPA: Cumulative Grade Point Average
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4. CGPA to Percentage Conversion Formula: % of Marks= **CGPA*10**