

SYSTEM OF EVALUATION AND AWARD OF DEGREE

1. At the end of every semester, a student is awarded a grade based on his/her performance in examinations / assignments, in every course registered by him/her. These grade are described by the letters AA, AB, BB etc. and have a numerical equivalent called the grade points as given below:

Letter Grade	Grade Points
* AP	10
AA	10
AB	9
BB	8
BC	7
CC	6
CD	5
DD	4
** EE	0 Fail Grade
FF	0 Fail Grade
*** FR	0 Failed and Repeat Course
DX	0 Insufficient Attendance
PP	- Passed
NP	- Not Passed
W	- Withdraw

Prior to 1984-85 session, single letters like A, B, C etc. were used.

2. After successful completion of programme a degree is awarded without any mention of Rank/Class.
3. As per the existing rules, rank in class is not certified except for first position in a class on year basis only.
4. Change of branch, permitted at the end of first year for Undergraduate and Dual Degree Programme students is reflected on the transcripts and in roll number when applicable.
5. New Roll Nos. of eight & nine digits have come into effect from July, 1990 & July, 2010 respectively.
6. The Institute follows grading system on a scale of 10.00, which cannot be converted into any other scale or percentage simply by multiplying or dividing with a factor. Cumulative Performance Index (CPI) of 6.50 and above out of 10.00 at the end of programme is considered as First Class for Undergraduates.
7. The Institute does not award any class or division. However, notionally, the CPI may be multiplied by a factor of 10 to obtain a numerical percentage for students graduating in June, 2016 onwards.
8. Minimum passing grade is DO for Undergraduate and Postgraduate courses.
9. The medium of instructions at the Institute is in English.
10. The grade FF, FR and DX are taken into consideration while calculating SPI & CPI, however, these will be replaced only after the clearance of the course with the passing grade. This has come into force from Spring Semester 1994-95.
11. SPI and CPI of students joined their programmes up to 2001-02 academic year are calculated by giving weightage of 1.5% for credits of all courses from their 3rd year onwards including project for B.Tech & DD programmes. However, the system of giving such weightage discontinued in case of students joined during 2002-03 and thereafter.
12. Opportunity for additional learning is provided through Minor/Honors courses to be done by interested/eligible students to the extent of one course per semester w.e.f the third semester. Credit for the courses done under additional learning is not included for SPI/CPI calculation.
13. Separate CPI will be calculated on completion of the requirement for Minor/Honors.
 - * The grade AP is awarded to the students with exceptional performance in the Institute core courses from Academic Session 1996-1997.
 - The grade EE is discontinued from Academic Session 1995-96 for UG Programmes only.



Indian Institute of Technology Bombay
Powai, Mumbai - 400 076

Official Transcripts

NAME : MAHAJAN ANKIT VILAS
DEPARTMENT : Physics

ROLL NO : 120100027 DATE:22-11-2016
PROGRAM : 5 Year Integrated M.Sc.

NOTE: Transcript valid as of date 22/11/2016 , liable to change since student not yet graduated

Academic : 2012-2013		Semester : 1		Academic : 2012-2013		Semester : 2	
Code	Course Name	Credit	Grade	Code	Course Name	Credit	Grade
CH 103	Chemistry	6.0	BB	CE 102	Engineering Mechanics	6.0	AB
CH 117	Chemistry Lab	3.0	AA	CS 101	Computer Programming and Utilization	6.0	AA
HS 101	Economics	6.0	AA	MA 106	Linear Algebra	4.0	BB
IC 102	Data Analysis and Interpretation	6.0	AA	MA 108	Differential Equations	4.0	AB
MA 105	Calculus	8.0	AA	ME 119	Engineering Graphics & Drawing	5.0	AA
ME 113	Workshop Practice	4.0	BB	NOCS02	NCC/NSS/NSO	0.0	PP
NOCS01	NCC/NSS/NSO	0.0	PP	PH 105	Modern Physics	6.0	AA
				PH 117	Physics Lab	3.0	AA

Academic : 2013-2014		Semester : 1		Academic : 2013-2014		Semester : 2	
Code	Course Name	Credit	Grade	Code	Course Name	Credit	Grade
EE 101	Introduction to Electrical and Electronics Circuits	8.0	AB	EP 212	Electronics Laboratory II	5.0	AA
EP 201	Optics	6.0	BB	EP 213	Physics Laboratory I	3.0	AB
EP 215	Electronics Laboratory I	3.0	AB	EP 226	Waves & Oscillations & Thermodynamics	6.0	AB
EP 222	Classical Mechanics I	6.0	AB	EP 307	Quantum Mechanics I	8.0	AB
IC 211	Experimental and Measurement Laboratory	4.0	BB	ES 200	Environmental Studies: Science and Engineering	3.0	AB
MA 205	Complex Analysis	4.0	BB	HS 200	Environmental Studies	3.0	BB
MA 207	Differential Equations II	4.0	BB	MA 214	Introduction to Numerical Analysis	8.0	AB
PH 103	Electricity & Magnetism	6.0	BB	PH 544	General Theory of Relativity	6.0	AB
PH 542	Non-linear Dynamics	6.0	AA				

Academic : 2014-2015		Semester : 1		Academic : 2014-2015		Semester : 2	
Code	Course Name	Credit	Grade	Code	Course Name	Credit	Grade
EN 301	Introduction to Renewable Energy Technologies	6.0	BB	EP 311	Physics Laboratory II	3.0	AA
EP 205	Photonics	6.0	CC	PH 304	Statistical Physics	6.0	AB
EP 315	Electronics Lab III (Microprocessor Lab)	5.0	AB	PH 409	Introduction to Condensed Matter Physics I	6.0	BC
EP 317	Electronics Laboratory-IV(Digital Laboratory)	5.0	AB	PH 424	Electromagnetic Theory I	6.0	BB
EP 322	Supervised Learning	6.0	AA	PH 534	Quantum Information and Computing	6.0	AA
HS 303	Psychology	6.0	BC	PH 806	Special Topics in Elementary Particle Physics	8.0	AB
PH 422	Quantum Mechanics II	6.0	BC	SC 624	Differential Geometric Methods in Control	6.0	AA

Academic : 2015-2016

Semester : 1

Academic : 2015-2016

Semester : 2

Code	Course Name	Credit	Grade	Code	Course Name	Credit	Grade
EP 313	Physics Laboratory III	3.0	BB	CH 504	Computational Chemistry	6.0	AA
EP 493	B.Tech Project I	6.0	AA	EP 409	Applied Solid State Physics	6.0	AB
PH 440	Introduction to Atomic and Molecular Physics	6.0	BB	EP 494	B.Tech. Project II	6.0	AA
PH 505	Introduction to Nuclear & Particle Physics	6.0	BC	MA5108	Lie Groups & Lie Algebras	6.0	AA
				PH 522	Theoretical Condensed Matter Physics	6.0	AB

CPI : 8.9

TOTAL CREDITS EARNED : 288.0

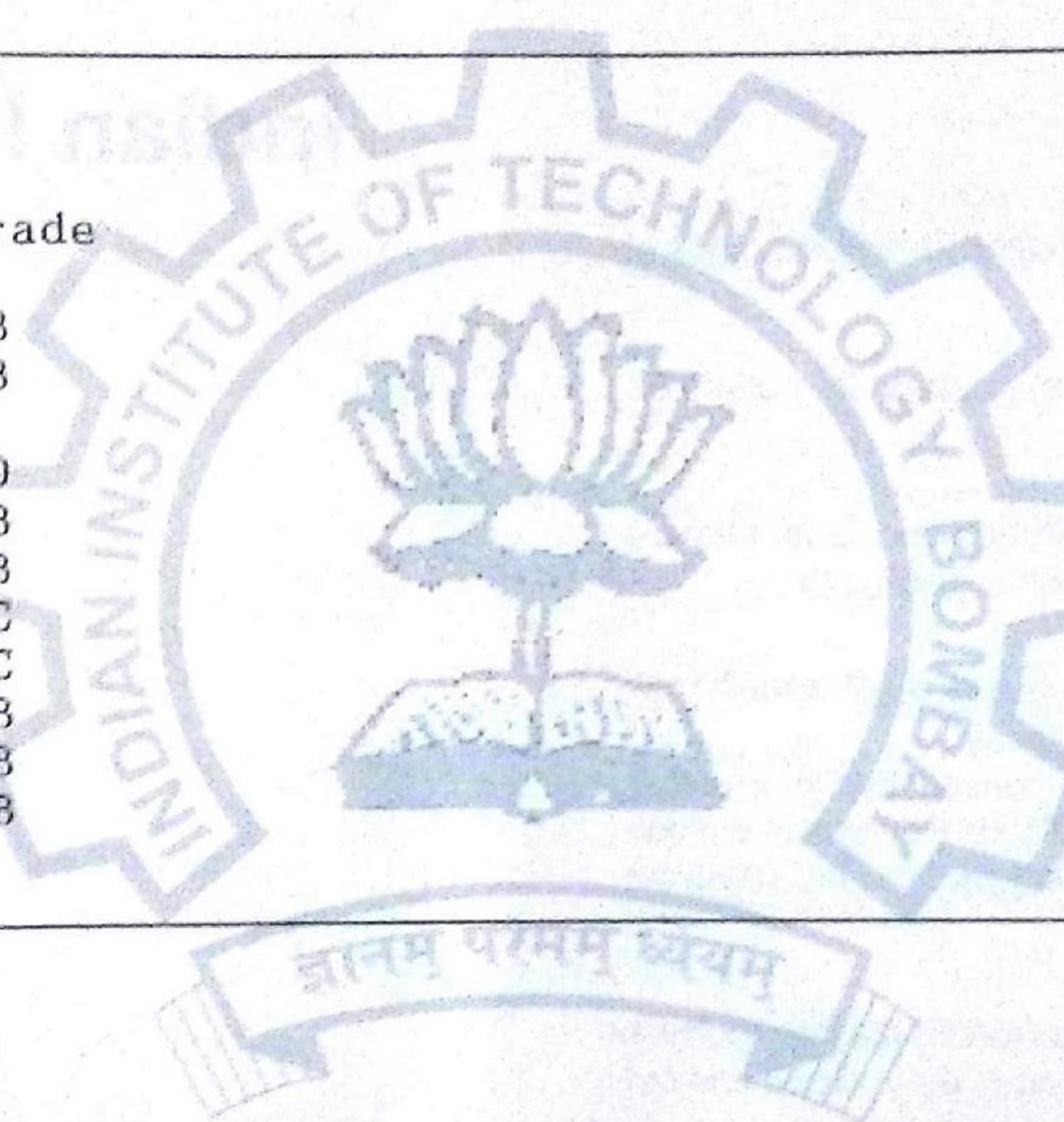
TOTAL CUMULATIVE POINTS : 2563.0

ADDITIONAL LEARNING

Code	Course Name	Credit	Grade
CS 213	Data Structures and Algorithms	6.0	BB
CS 317	Database and Information Systems	6.0	BB
PH 523	Quantum Mechanics III	6.0	DD
CS 348	Computer Networks	6.0	BB
EP 413	Advanced Statistical Mechanics	6.0	BB
EP 431	Semiconductor Physics	6.0	BC
MA 403	Real Analysis	8.0	CC
PH 520	Group Theory Methods	6.0	BB
CS 347	Operating Systems	6.0	BB
EE 725	Computational Electromagnetics	6.0	BB

MONTH & YEAR OF ADMISSION : JUL 2012

MONTH & YEAR OF GRADUATION :

DEPUTY REGISTRAR/ASST. REGISTRAR
(ACADEMIC)

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Asst. Registrar (Academic)
Indian Institute of Technology Bombay
Powai, Mumbai - 400 078.