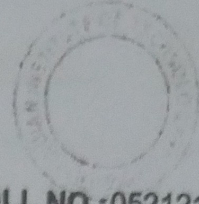


# INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

## M.Sc. GRADE CARD



**NAME :** AURAB CHAKRABARTY

**ROLL NO :** 05212104

**DEPARTMENT:** PHYSICS

**Semester I (July - Nov.) 2005**

**Semester II (Jan. - May) 2006**

Course	Course Name	Cr.	Gr.	Course	Course Name	Cr.	Gr.
PH 401	Mathematical Physics I	8	BB	PH 402	Mathematical Physics II	8	AA
PH 403	Classical Mechanics	8	AA	PH 404	Statistical Mechanics	8	AB
PH 405	Quantum Mechanics I	8	AA	PH 406	Quantum Mechanics II	8	BB
PH 407	Computer Programming	6	AA	PH 408	Numerical Mthds. & Computational Physics	6	AB
PH 409	Electronics	8	AA	PH 410	Electrodynamics I	8	BB
PH 411	Physics Laboratory I	4	AA	PH 412	Physics Lab. II	6	AB

**Semester Performance Index (S.P.I.) :** 9.62

**Semester Performance Index (S.P.I.) :** 8.82  
**Cummulative Performance Index (C.P.I.) :** 9.21

**Semester III (July - Nov.) 2006**

**Semester IV (Jan - May) 2007**

Course	Course name	Cr.	Gr.	Course	Course name	Cr.	Gr.
PH 501	Electrodynamics II	8	AB	PH 512	Measurement Techniques	7	BB
PH 503	Atomic and Molecular Physics	8	BB	PH 514	Project	12	AA
PH 505	Solid State Physics	8	AB	PH 523	Magnetism and Superconductivity	8	AB
PH 507	Nuclear and Particle Physics	8	BB	PH 525	Optoelectronics Materials and Devices	8	AA
PH 511	Physics Laboratory III	6	AA	PH 544	High Energy Physics	6	BB

**Semester Performance Index (S.P.I.) :** 8.74  
**Cummulative Performance Index (C.P.I.) :** 9.06

**Semester Performance Index (S.P.I.) :** 9.17  
**Cummulative Performance Index (C.P.I.) :** 9.09

*[Signature]*  
**Asst. Registrar (Academic Affairs)**

**ASSISTANT REGISTRAR (ACADEMIC AFFAIRS)**  
 Indian Institute of Technology Guwahati  
 Guwahati - 781 039, INDIA

**Date :** 25.05.2007

*[Signature]*

Indian Institute of Technology Guwahati



STATEMENT OF MARKS

NAME : Aurab Chakrabarty  
SUBJECT : PHYSICS

ROLL NO: BSC-75  
REG. NO : VB-28 OF 1999-00

Subjects	MAXIMUM MARKS	MARKS OBTAINED			REMARKS
		Written	Internal Assess.	Total	
<b>PARTS - I &amp; II SUBSIDIARY SUBJECTS</b>				<b>184</b>	<b>PASS MARKS</b>  Candidates are required to pass in Theory and Practical papers separately in each part of a Honours Subject only.
Mathematics	300			<b>178</b>	
Chemistry	300				Pass Degree : 33% to less than 40% in Theory (Honours) and 40% or above in Laboratory papers (Honours) and 30% / 33% and above in Theory (Subsidiary) and 40% or above in practical papers (Subsidiary), but less than 40% in aggregate (Honours).  Second Class Honours : 40% to less than 60% in a Honours subject in addition to the requirements of the subsidiary subjects for a pass Degree.  First Class Honours : 60% and above in a Honours Subject in addition to the requirements of the Subsidiary Subjects for a pass degree.  Honours with Distinction in Subsidiary Subjects : Students obtaining Honours marks in a Honours subject and also 50% in the aggregate in each Subsidiary Subject separately shall be declared to have secured the appropriate class in Honours with Distinction in Subsidiary Subjects.
<u>Honours Subject</u>					
<u>PART - I</u>	275			<b>171</b>	
<u>PART - II</u>	350			<b>230</b>	
<u>PART - III</u>					
<u>THEORY</u>					
Paper - XII	50	27.00	06.88	34	
Paper - XIII	50	22.50	06.67	29	
Paper - XIV	50	26.00	07.38	33	
Paper - XV	50	30.00	07.00	37	
Paper - XVI	50	25.50	07.88	33	
Paper - XVII	50	30.00	08.50	39	
<b>TOTAL THEORY</b>	<b>300</b>			<b>205</b>	
<u>PRACTICAL</u>					
Paper - XVIII	75	42.00	12.00	54	
<b>TOTAL PRACTICAL</b>	<b>75</b>			<b>54</b>	
<b>TOTAL MARKS IN PART - III</b>	<b>375</b>			<b>259</b>	
<b>GRAND TOTAL</b>	<b>1000</b>			<b>660</b>	

Passed & Placed in : First Class with Distinction.

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Computerised by

Checked by

Deputy Registrar (Examinations) 15/07/05

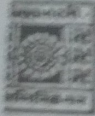
**Pre-Degree Examination, 2002**

STATEMENT OF MARKS

NAME: Aurab Chakrabarty  
REG. NO: VB-28 OF 1999-00

ROLL. NO: PD-10

Subjects	MAXIMUM MARKS	MARKS OBTAINED			REMARKS	
		Written / Practical	Internal Assess.	Total		
<b>CORE SUBJECTS</b>						
Bengali					<p><u>Classification of Results</u></p> <p>In order to pass the Pre-Degree Examination a candidate shall have to secure at least 30% of full marks ( theory paper / papers ) in each subject and 40% of full marks ( practical paper / papers ) in each subject separately.</p> <p>A candidate fails to pass in not more than any two subjects in the examination he / she may sit either for the subject(s) concerned only or for all subjects at the next examination.</p> <p>Marks in additional elective subject shall be added to the aggregate after deduction of 30% of maximum marks. Back candidate if desires can sit for the additional elective subject.</p> <p>First Division : 60% marks and above of the Grand Total.</p> <p>Second Division : 45% to less than 60% of the Grand Total.</p> <p>Pass : Less than 45% marks of the Grand Total.</p>	
Paper - I	100	49.00	16.00	124		
Paper - II	100	47.50	11.50			
English				125		
Paper - I	100	46.00	16.00			
Paper - II	100	47.50	15.00			
<b>ELECTIVE SUBJECTS</b>						
<b>Mathematics</b>						
Theory	Paper - I	100 / 80 / 75	58.00	20.00		<p>165</p> <p>131</p> <p>44</p> <p>112</p> <p>38</p> <p>33</p> <p>56</p> <p>104/164</p>
	Paper - II	100 / 80 / 75	68.00	18.50		
Practical	Paper - I	60 / 50				
	Paper - II	60 / 50				
<b>Physics</b>						
Theory	Paper - I	100 / 80 / 75	50.00	14.80		
	Paper - II	100 / 80 / 75	51.00	15.00		
Practical	Paper - I	60 / 50	34.00	9.50		
	Paper - II	60 / 50				
<b>Chemistry</b>						
Theory	Paper - I	100 / 80 / 75	44.50	14.50		
	Paper - II	100 / 80 / 75	40.00	13.00		
Practical	Paper - I	60 / 50	27.50	10.00		
	Paper - II	60 / 50				
<b>Vocational / work oriented Subject</b>						
<b>Com. Sc.</b>						
	Theory	40	25.00	8.00		
	Practical	60	44.00	11.50		
<b>Additional Elective Subject</b>						
<b>Statistics</b>						
Theory	Paper - I	100 / 80 / 75	49.00	14.30		
	Paper - II	100 / 80 / 75	44.00	13.50		
Practical	Paper - I	60 / 50	33.00	9.50		
	Paper - II	60 / 50				
<b>GRAND TOTAL</b>						
		1100		932		



**VISVA-BHARATI**  
School Certificate Examination, 2000

C 523

*[Handwritten Signature]*

STATEMENT OF MARKS

NAME: Aurab Chakrabarty

REG. NO: VB-28 OF 1999-2000

ROLL. NO: SC-27

Subjects	General Bengali Paper-I 80+20=100	General Bengali Paper-II 80+20=100	TOTAL-200	General English Paper-I 80+20=100	General English Paper-II 40+10=50	TOTAL-150	History 80+20=100	Geography 40+10=50	General Mathematics 80+20=100	Life Sc. Theory 50+10=60 Practical 20+20=40 100	Phy. Sc. Theory 50+10=60 Practical 20+20=40 100	Core I.M SITAR 100	Additional Elective MATH. 100	TOTAL - 900	
Written Assessment	52.00	50.00		45.00	29.00		48.00	29.00	79.00	42.00	46.00	21.00	72.00		
Internal Assessment	15.00	14.00		16.00	8.00		16.20	7.60	20.00	10.00	9.30	5.00	19.00		
Practical Assessment										16.00 17.50	18.00 18.00	54.00 13.00			
Marks Obtained	67	64	131	61	37	98	64	37	99	86	91	93	58/91		

placed in the **FIRST** Division.

Published on 05 JUL 2000

Compiled / Computerized by *[Signature]*

Checked by *[Signature]*

*[Signature]*  
9-7-2000  
Assistant Registrar,  
Deputy Registrar (Examinations)  
Visva-Bharati  
Santiniketan,



# भारतीय प्रौद्योगिकी संस्थान गुवाहाटी

विद्या परिषद की अनुशंसा पर

भौतिक विज्ञान में

विज्ञान निष्णात की उपाधि

**औड़ब चक्रवर्ती**

को इस उपाधि के प्रदान हेतु विनियम विहित अपेक्षाएँ मई 2007 में सफलतापूर्वक पूर्ण करने पर प्रदान करता है।

भारतीय गणराज्य के अंतर्गत गुवाहाटी में आज 25 मई 2007 को संस्थान की यह मुद्रा अंकित उपाधि दी गई।

## INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

upon the recommendation of the Senate hereby confers the degree of

**Master of Science**

in

**Physics**

on

**Aurab Chakrabarty**

who has successfully completed in May 2007, the requirements prescribed under the regulations for the award of this degree.

Given this day, under the seal of the Institute at Guwahati in the Republic of India, the 25<sup>th</sup> day of May, 2007.

निदेशक एवं  
अध्यक्ष, विद्या परिषद  
Director and  
Chairman, Senate

कुलसचिव  
Registrar

अध्यक्ष,  
शासी मंडल  
Chairman,  
Board of Governors