

UNIVERSITY OF CALCUTTA

BTK1(IE)/18/0090

18/053712/87



FOUR YEAR BACHELOR OF TECHNOLOGY 1st SEMESTER EXAMINATION

 The following is the statement of Marks, Grade Point and Grade obtained by **ARATRIKA RAY CHAUDHURI**

 Roll No. : **T91/IE/184090** Registration No.: **D01-1211-0157-18** at the aforesaid examination, 2018
 (Held in JANUARY 2019) in **INSTRUMENTATION ENGINEERING.**

Course No.	Details of Courses	Credit	Full Marks	Marks Obtained	Paper Total		Grade Point	Letter Grade																					
					Full Marks	Marks Obtained																							
<u>THEORETICAL</u>																													
HU101	Communicative English, Management and Social Sciences	3																											
	Mid-Semester		30	29																									
	End-Semester		70	67	100	96	10	Ex																					
PH102	Physics I	3																											
	Mid-Semester		30	28																									
	End-Semester		70	46	100	74	8	B																					
CH103	Chemistry I	3																											
	Mid-Semester		30	26																									
	End-Semester		70	55	100	81	9	A																					
MA104	Engineering Mathematics I	3																											
	Mid-Semester		30	30																									
	End-Semester		70	61	100	91	10	Ex																					
EE105	Basic Electrical Engineering	3																											
	Mid-Semester		30	26																									
	End-Semester		70	49	100	75	8	B																					
Theoretical Total					500	417																							
<u>PRACTICAL</u>																													
HJ106	Language Lab	1.5			50	50	10	Ex																					
PH107	Physics Lab - I	1.5			50	47	10	Ex																					
CH108	Chemistry Lab - I	1.5			50	47	10	Ex																					
EE109	Basic Electrical Engineering Lab	1.5			50	40	9	A																					
Practical Total					200	184																							
Total Marks of 1st Semester					700	601																							
1st Semester Statement		Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.			A student fails to secure at least 50% marks in the end semester examination of theory papers and non-appeared theory papers not more than two and must have to appear in all practical papers will be eligible to continue higher semester examination.		<table border="1" style="font-size: small;"> <thead> <tr> <th>% of Marks</th> <th>Grade</th> <th>Grade Point (P)</th> </tr> </thead> <tbody> <tr><td>90 - 100</td><td>Ex</td><td>10</td></tr> <tr><td>80 - 89</td><td>A</td><td>9</td></tr> <tr><td>70 - 79</td><td>B</td><td>8</td></tr> <tr><td>60 - 69</td><td>C</td><td>7</td></tr> <tr><td>50 - 59</td><td>D</td><td>6</td></tr> <tr><td>Below 50</td><td>F</td><td>0</td></tr> </tbody> </table>		% of Marks	Grade	Grade Point (P)	90 - 100	Ex	10	80 - 89	A	9	70 - 79	B	8	60 - 69	C	7	50 - 59	D	6	Below 50	F	0
% of Marks	Grade	Grade Point (P)																											
90 - 100	Ex	10																											
80 - 89	A	9																											
70 - 79	B	8																											
60 - 69	C	7																											
50 - 59	D	6																											
Below 50	F	0																											
Total Credit	21																												
Credit Obtained	21																												
SGPA	9.21																												
Result *	Q																												

* Q - Qualified for next semester; XP - Eligible to next semester with supplementary in this semester of next academic session; F - Failed

 Serial No. : 174/ **0210867**

13062018

Controller of Examinations (Acting)

UNIVERSITY OF CALCUTTA

BTK2(IE)/19/0087

19/053712/87



FOUR YEAR BACHELOR OF TECHNOLOGY 2nd SEMESTER EXAMINATION

 The following is the statement of Marks, Grade Point and Grade obtained by **ARATRIKA RAY CHAUDHURI**

 Roll No. : **T91/IE/184090** Registration No.: **D01-1211-0157-18** at the aforesaid examination, 2019

 (Held in JUNE 2019) in **INSTRUMENTATION ENGINEERING.**

Course No.	Details of Courses	Credit	Full Marks	Marks Obtained	Paper Total		Grade Point	Letter Grade
					Full Marks	Marks Obtained		
<u>THEORETICAL</u>								
PH-201	Physics II	3						
	Mid-Semester		30	30				
	End-Semester		70	63	100	93	10	Ex
MA-202	Engineering Mathematics-II	3						
	Mid-Semester		30	30				
	End-Semester		70	60	100	90	10	Ex
ME-203	Engineering Mechanics	3						
	Mid-Semester		30	25				
	End-Semester		70	61	100	86	9	A
CS-204	Basic Computer Science and Engineering	3						
	Mid-Semester		30	23				
	End-Semester		70	60	100	83	9	A
BE-205	Basic Electronics	3						
	Mid-Semester		30	25				
	End-Semester		70	59	100	84	9	A
Theoretical Total								
					500	436		
<u>PRACTICAL</u>								
PH-206	Physics-II Laboratory	1			50	45	10	Ex
ME-207	Workshop Practice	1.5			50	40	9	A
ME-208	Engineering Drawing	1.5			50	43	9	A
CS-209	Computer Programming Laboratory	1.5			50	42	9	A
BE-210	Basic Electronics Laboratory	1.5			50	39	8	B
Practical Total								
					250	209		
Total Marks of 2nd Semester								
					750	645		
2nd Semester Statement		Grade F also implies failure to earn the corresponding credit. Grades higher than F and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.			A student fails to secure at least 50% marks in the end semester examination of theory papers and non appeared theory papers not more than two and must have to appear in all practical papers will be eligible to continue higher semester examination.		% of Marks	
Total Credit	22				90 - 100		Grade	Grade Point (P)
Credit Obtained	22				80 - 89		Ex	10
SGPA	8.25				70 - 79		A	9
Result *	Q				60 - 69		B	8
					50 - 59		C	7
					Below 50		D	6
							F	0

* Q - Qualified for next semester, XP - Promoted to next semester with back credit in this semester, F - Failed, DSC - Disqualified from course

Serial No. : 174/ 0224984

17092019

Controller of Examinations (Acting)

UNIVERSITY OF CALCUTTA

BTK3N(IET)/19/0007

19/053712/7



FOUR YEAR BACHELOR OF TECHNOLOGY 3rd SEMESTER EXAMINATION

The following is the statement of Marks, Grade Points and Grades obtained by **ARATRIKA RAY CHAUDHURI**

Roll No. : **T91/IE/184090**

Registration No.: **D01-1211-0157-18**

at the aforesaid examination, 2019

(Held in NOVEMBER 2019) In **INSTRUMENTATION ENGINEERING.**

Course No	Details of Course	Credits	Course Total		Grade Point	Letter Grade
			Full Marks	Marks Obtained		
<u>THEORETICAL</u>						
301	Analog Electronics	3	100	89	9	A
302	Digital Electronics	3	100	88	9	A
303	Electrical and Electronic Measuring Instruments	3	100	91	10	Ex
304	Engineering Mathematics III	3	100	96	10	Ex
305	Circuit Theory and Networks	3	100	90	10	Ex
Theoretical Total			500	454		
<u>PRACTICAL</u>						
306	Analog Electronics Laboratory	1.5	50	45	10	Ex
307	Digital Electronics Laboratory	1.5	50	48	10	Ex
308	MATLAB Programming Laboratory	1.5	50	48	10	Ex
309	Electrical Measurement Laboratory	1.5	50	46	10	Ex
Practical Total			200	187		
Total Marks of 3rd Semester			700	641		

3rd Semester Statement	Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.	A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held.	% of Marks	Grade	Grade Point(P)
Total Credit	21		90 - 100	Ex	10
Credit Obtained	21		80 - 89	A	9
SGPA	9.71		70 - 79	B	8
Result *	Q		60 - 69	C	7
			50 - 59	D	6
			Below 50	F	0

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed

Serial No. : 2020/ 0269547

09122020

Controller of Examinations
 (Acting)


FOUR YEAR BACHELOR OF TECHNOLOGY 4th SEMESTER EXAMINATION

 The following is the statement of Marks, Grade Points and Grades obtained by **ARATRIKA RAY CHAUDHURI**
Roll No. : **T91/IE/184090**Registration No.: **D01-1211-0157-18**

at the aforesaid examination, 2020

(Held in NOVEMBER 2020) in **INSTRUMENTATION ENGINEERING.**

Course No	Details of Course	Credits	Course Total		Grade Point	Letter Grade
			Full Marks	Marks Obtained		
	<u>THEORETICAL</u>					
401	Industrial Instrumentation I	3	100	94	10	Ex
402	Sensors and Transducers	3	100	92	10	Ex
403	Control Theory I	3	100	91	10	Ex
404	Microprocessor and Peripheral Devices	3	100	91	10	Ex
405	Program Elective I : Electrical Machines	3	100	89	9	A
	Theoretical Total		500	457		
	<u>PRACTICAL</u>					
406	Microprocessor Laboratory	1.5	50	47	10	Ex
407	Network Theory Laboratory	1.5	50	45	10	Ex
408	Numerical Programming Laboratory	1.5	50	46	10	Ex
409	Sensors and Transducer Laboratory	1.5	50	45	10	Ex
	Practical Total		200	183		
	Total Marks of 4th Semester		700	640		

4th Semester Statement		Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.	A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held.	% of Marks	Grade	Grade Point (P)
Total Credit	21					90 - 100
Credit Obtained	21			80 - 89	A	9
SGPA	9.86			70 - 79	B	8
Result *	C			60 - 69	C	7
				50 - 59	D	6
				Below 50	F	0

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed

UNIVERSITY OF CALCUTTA

BTKS(IET)/20/0007

20/053/12/7



FOUR YEAR BACHELOR OF TECHNOLOGY 5th SEMESTER EXAMINATION

The following is the statement of Marks, Grade Points and Grades obtained by **ARATRIKA RAY CHAUDHURI**

Roll No. : **T91/IE/184090**

Registration No.: **D01-1211-0157-18**

at the aforesaid examination, 2020

(Held in MARCH 2021) in **INSTRUMENTATION ENGINEERING.**

Course No	Details of Course	Credits	Course Total		Grade Point	Letter Grade
			Full Marks	Marks Obtained		
<u>THEORETICAL</u>						
IE501	Communication and Systems	3	100	94	10	Ex
IE502	Industrial Instrumentation II	3	100	90	10	Ex
IE503	Control Theory II	3	100	93	10	Ex
IE504	Digital Signal Processing	3	100	91	10	Ex
IE505	Process Control	3	100	94	10	Ex
Theoretical Total			500	462		
<u>PRACTICAL</u>						
IE506	Process Control Laboratory	1.5	50	45	10	Ex
IE507	Industrial Instrumentation Laboratory	1.5	50	44	9	A
IE508	Control System I Laboratory	1.5	50	47	10	Ex
IE509	Control System II Laboratory	1.5	50	46	10	Ex
Practical Total			200	182		
Total Marks of 5th Semester			700	644		

5th Semester Statement	Grade F also implies failure to earn the corresponding credit. Grades higher than F and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (G) & the Credit (C) assigned to that unit.	A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held.	90 - 100	Ex	10
Total Credit	21		80 - 89	A	9
Credit Obtained	21.0		70 - 79	B	8
SGPA	9.93		60 - 69	C	7
Result *	Q		50 - 59	D	6
			Below 50	F	5

* Q - Qualified for next semester, XP - Promoted to next semester with back credit in this semester, F - Failed

Serial No. : 2021/ 0334784

16792021

Controller of Examinations (Acting)


FOUR YEAR BACHELOR OF TECHNOLOGY 6th SEMESTER EXAMINATION

 The following is the statement of Marks, Grade Points and Grades obtained by **ARATRIKA RAY CHAUDHURI**
Roll No. : **T91/IE/184090**Registration No.: **D01-1211-0157-18**

at the aforesaid examination, 2021

(Held in AUGUST 2021) in **INSTRUMENTATION ENGINEERING.**

Course No	Details of Course	Credits	Course Total		Grade Point	Letter Grade
			Full Marks	Marks Obtained		
<u>THEORETICAL</u>						
PEC601	[PE01] Analytical and Biomedical Instrumentation	3	100	92	10	Ex
PEC602	[PE03] Advanced Measurement and Automation Techniques	3	100	92	10	Ex
PEC603	[PE11] Advanced Control Engineering	3	100	94	10	Ex
OEC604	[OE01] Advanced Microprocessor, Microcontroller and Interfacing	3	100	96	10	Ex
OEC605	[OE05] Database Management Systems	3	100	88	9	A
Theoretical Total			500	462		
<u>PRACTICAL</u>						
PCC606	Digital Signal Processing Laboratory	1.5	50	46	10	Ex
PCC607	Communication Laboratory	1.5	50	46	10	Ex
PCC608	Presentation/Group Discussion on Technical Topic	2	50	46	10	Ex
Practical Total			150	138		
Total Marks of 6th Semester			650	600		
6th Semester Statement	Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.	A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held.		% of Marks	Grade	Grade Point (P)
Total Credit	20			90 - 100	Ex	10
Credit Obtained	20.0			80 - 89	A	9
SGPA	9.85			70 - 79	B	8
Result *	Q			60 - 69	C	7
				50 - 59	D	6
				Below 50	F	0

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed

UNIVERSITY OF CALCUTTA

BTK7N(IET)/21/0007

21/053712/7



FOUR YEAR BACHELOR OF TECHNOLOGY 7th SEMESTER EXAMINATION

 The following is the statement of Marks, Grade Points and Grades obtained by **ARATRIKA RAY CHAUDHURI**

 Roll No. : **T91/IE/184090** Registration No.: **D01-1211-0157-18** at the aforesaid examination, 2021

 (Held in JANUARY 2022) in **INSTRUMENTATION ENGINEERING.**

Course No	Details of Course	Credits	Course Total		Grade Point	Letter Grade
			Full Marks	Marks Obtained		
<u>THEORETICAL</u>						
HSM701	Engineering Management	3	100	89	9	A
OEC702	[OE09] Data Structure and Algorithms	3	100	87	9	A
Theoretical Total			200	176		
<u>PRACTICAL</u>						
PCC703	Design Laboratory	1.5	50	45	10	Ex
PCC704	Advanced Process Control Laboratory	1.5	50	48	10	Ex
PCC705	Summer Internship	2	100	82	9	A
PROJ706	Project Phase I	4	100	86	9	A
Practical Total			300	261		
Total Marks of 7th Semester			500	437		
7th Semester Statement	Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.	A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held		% of Marks	Grade	Grade Point(P)
Total Credit	15			90 - 100	Ex	10
Credit Obtained	15			80 - 89	A	9
SGPA	9.20			70 - 79	B	8
Result *	Q			60 - 69	C	7
				50 - 59	D	6
				Below 50	F	0

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed

Serial No. : 2021/ 0371650

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Controller of Examinations (Acting)

UNIVERSITY OF CALCUTTA

BTKB(IET)/22/0007

22/059236/7



FOUR YEAR BACHELOR OF TECHNOLOGY 8th SEMESTER EXAMINATION

 The following is the statement of marks obtained by **ARATRIKA RAY CHAUDHURI**

 Roll No. : **T91/IE/184090** Registration No.: **D01-1211-0157-18**

at the aforesaid examination, 2022

 (Held in JUNE 2022) in **INSTRUMENTATION ENGINEERING.**

Course No	Details of Course	Credits	Course Total		Grade Point	Letter Grade
			Full Marks	Marks Obtained		
HSM801	Economics for Engineers	3	100	66	7	C
OEC802	[OE10] Object Oriented Programming	3	100	66	7	C
PROJ803	Seminar	3	100	83	9	A
PROJ804	Project Phase II	7	200	182	10	EX
PROJ805	General Viva Voce	3	100	83	9	A

All Semester Summary Statement

Semester	Total Credit	Credit Obtained	Full Marks	Marks Obtained	SGPA	CUMULATIVE STATEMENT		% of Marks	Grade	Grade Point (GP)
						Total Credit	Marks			
						160	90 - 100		EX	10
8th	19	19	600	480	8.74	160.0	80 - 89		A	9
7th	15	15	500	437	9.20	5300	70 - 79		B	8
6th	20	20	650	600	9.85	4688	60 - 69		C	7
5th	21	21	700	644	9.93	948	50 - 59		D	6
4th	21	21	700	640	9.86	1	Below 50		F	5
3rd	21	21	700	641	9.71	FIRST CLASS				
2nd	22	22	750	645	9.25					
1st	21	21	700	601	9.21					


* CGPA >= 7.5 First Class (I), CGPA >= 6.0 - < 7.5 Second Class (I) ; X^P = Supplementary, X^S = Previous semester(s) not clear, F = Failed, DSQ = Disqualified

Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.

A Student who fails to earn full credits at the 8th semester examination will be declared obtained supplementary and will have to appear those papers in next same semester examination held.

Serial No. : 2021/ 0392617

22/07/2022


 Controller of Examinations (Acting)