

Kanpur Institute of Technology, Kanpur		
Common Data Input Sheet		
Semester: I	Name of the Faculty: Ms. Deepanjali Shukla	
Subject Code: KAS102T	Total No. of Students: 58	Subject Name: Engineering Chemistry

CO DESCRIPTION TABLE	
CO LIST	DESCRIPTION
CO1	Use of different analytical instruments
CO2	Measure molecular/ system properties such as surface tension, viscosity, conductance of solution, chloride and iron content in water.
CO3	Measure hardness of water.
CO4	Estimate the rate constant of reaction.
CO5	NA

CO-PO Matrix																	
S.No.	CO/PO	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	3	2	2	3	1	1	1	1	2	2	1	1	1	1	1
2	CO2	A	3	3	2	2	1	1	1	1	1	2	1	2	1	1	1
3	CO3	A	3	3	3	2	2	1	1	1	1	2	1	2	1	1	1
4	CO4	A	2	3	3	2	2	1	1	1	1	2	1	2	1	1	1
5	CO5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(Please Fill up 'NA' in STATUS COLUMN if any CO is NOT APPLICABLE)

Kanpur Institute of Technology, Kanpur										
Assessment Sheet for PU										
Semester: I					Name of the Faculty:Ms. Deepanjali Shukla				Subject Code: KAS102T	
CO1			Use of different analytical instruments							
CO2			Measure molecular/ system properties such as surface tension, viscosity, conductance of solution, chloride and iron content in water.							
CO3			Measure hardness of water.							
CO4			Estimate the rate constant of reaction.							
CO5			NA							
S.No	SEC	Roll No	Student Name	Total Present Status	Internal CO	Out of	CO attained			
					marks		APPLICABLE			
							CO	AL:1	AL:2	AL:3
Distribution of Marks				58	50	50	50	<40%	>=40% & <60%	>=60%
1	B	2101650100003	ABHISHEK KUMAR NISHAD	P	50	50	50	0	0	1
2	B	2101650100010	ADITYA MISHRA	P	46	46	46	0	0	1
3	B	2101650100011	AJEET KUMAR	P	41	41	41	0	0	1
4	B	2101650100012	AJIT CHAUDHARY	P	34	34	34	0	0	1
5	B	2101650100014	AKKSHAT KUMAR GAUTAM	P	50	50	50	0	0	1
6	B	2101650100015	AKSHAY SINGH	P	34	34	34	0	0	1
7	B	2101650100018	AMIT KUMAR	P	50	50	50	0	0	1
8	B	2101650100023	ANKIT KUMAR	P	30	30	30	0	0	1
9	B	2101650100024	ANSHIKA BAIJPAI	P	48	48	48	0	0	1
10	B	2101650100025	ANSHUMAN SINGH	P	30	30	30	0	0	1
11	B	2101650100026	ANUJ KUSHVAHA	P	30	30	30	0	0	1
12	B	2101650100031	ARYAN KUMAR GUPTA	P	45	45	45	0	0	1
13	B	2101650100035	AVANEESH VISHWAKARMA	P	30	30	30	0	0	1
14	B	2101650100037	AYUSH KUMAR	P	37	37	37	0	0	1
15	B	2101650100040	DEEPANSHI SRIVASTAVA	P	45	45	45	0	0	1
16	B	2101650100043	HARDIK MISHRA	P	50	50	50	0	0	1
17	B	2101650100044	HARSH GUPTA	P	41	41	41	0	0	1
18	B	2101650100048	HARSHIT SAHU	P	45	45	45	0	0	1
19	B	2101650100049	HIMANSHU VISHWAKARMA	P	50	50	50	0	0	1
20	B	2101650100050	HRIKTI GUPTA	P	38	38	38	0	0	1
21	B	2101650100052	JOYA MANSOORI	P	44	44	44	0	0	1
22	B	2101650100054	KASHISH GUPTA	P	47	47	47	0	0	1
23	B	2101650100055	KAUSTUBH SAINI	P	45	45	45	0	0	1
24	B	2101650100057	KHUSHI YADAV	P	35	35	35	0	0	1
25	B	2101650100058	KOMAL	P	46	46	46	0	0	1
26	B	2101650100059	KRATIKA JAISWAL	P	39	39	39	0	0	1
27	B	2101650100065	MOHD KAIF	P	25	25	25	0	1	0
28	B	2101650100066	MRIDUL GUPTA	P	46	46	46	0	0	1
29	B	2101650100068	NILESH SHARMA	P	41	41	41	0	0	1
30	B	2101650100071	NITISH RAI	P	39	39	39	0	0	1
31	B	2101650100072	PARTH KATIYAR	P	46	46	46	0	0	1
32	B	2101650100073	PARUL YADAV	P	40	40	40	0	0	1
33	B	2101650100075	PRAKHAR TRIPATHI	P	35	35	35	0	0	1
34	B	2101650100081	PRIYAM PANDEY	P	36	36	36	0	0	1
35	B	2101650100084	REETIKA GUPTA	P	46	46	46	0	0	1
36	B	2101650100085	SAADUDDIN	P	46	46	46	0	0	1
37	B	2101650100087	SANDEEP YADAV	P	50	50	50	0	0	1
38	B	2101650100088	SANIYA GUPTA	P	50	50	50	0	0	1
39	B	2101650100092	SATYAM	P	50	50	50	0	0	1
40	B	2101650100093	SAURABH KUMAR	P	41	41	41	0	0	1
41	B	2101650100094	SAURAV	P	47	47	47	0	0	1
42	B	2101650100098	SHIVAJI SINGH	P	41	41	41	0	0	1
43	B	2101650100100	SHIVAM PAL	P	36	36	36	0	0	1
44	B	2101650100102	SHARABH PATEL	P	15	15	15	1	0	0
45	B	2101650100103	SHREYA DUBEY	P	43	43	43	0	0	1
46	B	2101650100107	SPARSH TIWARI	P	43	43	43	0	0	1
47	B	2101650100108	SRIHANSH KUMAR	P	50	50	50	0	0	1
48	B	2101650100109	SRUTI SINGH	P	31	31	31	0	0	1
49	B	2101650100110	SUBHASHISH SAHU	P	30	30	30	0	0	1
50	B	2101650100111	SUNIDHA SRIVASTAVA	P	46	46	46	0	0	1
51	B	2101650100112	SURAJ SINGH	P	35	35	35	0	0	1
52	B	2101650100113	SWAYAM SINGH	P	30	30	30	0	0	1
53	B	2101650100116	UTKARSH GUPTA	P	44	44	44	0	0	1
54	B	2101650100118	VARUN GUPTA	P	34	34	34	0	0	1
55	B	2101650100119	VIKASH SRIVASTAVA	P	43	43	43	0	0	1
56	B	2101650100121	YASH KUMAR SAHU	P	33	33	33	0	0	1
57	B	2101650100122	YOGESH KUMAR	P	42	42	42	0	0	1
58	B	2101650100123	YOGESH TRIPATHI	P	44	44	44	0	0	1
						Total		1	1	56
						% Student	CO	1.72	1.72	96.56
						% CO attained		98.28		

Kanpur Institute of Technology, Kanpur										
Assessment Sheet for Feedback										
Semester: I			Name of the Faculty:Ms. Deepanjali Shukla							
Subject Code: KAS102T					Subject Name: Engineering Chemistry					
CO1	Use of different analytical instruments									
CO2	Measure molecular/ system properties such as surface tension, viscosity, conductance of solution, chloride and iron content in water.									
CO3	Measure hardness of water.									
CO4	Estimate the rate constant of reaction.									
CO5	NA									

Total Students	58	Course Outcomes					CO1 Feedback	CO2 Feedback	CO3 Feedback	CO4 feedback	CO5 feedback
		CO1	CO2	CO3	CO4	CO5	APPLICABLE	APPLICABLE	APPLICABLE	APPLICABLE	NOT APPLICABLE
		A	A	A	A	NA					
		No of students in option1 (3)					33	34	22	10	0
		No. of students for option2 (2)					23	22	29	34	0
		No. of students in option3 (1)					2	2	7	14	0
No. of students in option4 (0)					0	0	0	0	0		
					58	58	58	58	0		

Kanpur Institute of Technology, Kanpur									
Assessment Sheet for UNIVERSITY									
Semester: I					Name of the Faculty:Ms. Deepanjali Shukla				
Subject Code: KAS102T					Subject Name: Engineering Chemistry				
CO1			Use of different analytical instruments						
CO2			Measure molecular/ system properties such as surface tension, viscosity, conductance of solution, chloride and iron content in water.						
CO3			Measure hardness of water.						
CO4			Estimate the rate constant of reaction.						
CO5			NA						
S.No	SEC	Roll No	Student Name	Total Present Status	From University	Out of	UNIVERSITY ATTAINMENT		
							APPLICABLE		
Distribution of Marks				57	100	100	AL:1	AL:2	AL:3
				<40%			>=40% & <60%	>=60%	
1	B	2101650100003	ABHISHEK KUMAR NISHAD	P	38	38	1	0	0
2	B	2101650100010	ADITYA MISHRA	P	46	46	0	1	0
3	B	2101650100011	AJEET KUMAR	P	40	40	0	1	0
4	B	2101650100012	AJIT CHAUDHARY	P	41	41	0	1	0
5	B	2101650100014	AKKSHAT KUMAR GAUTAM	P	70	70	0	0	1
6	B	2101650100015	AKSHAY SINGH	P	5	5	1	0	0
7	B	2101650100018	AMIT KUMAR	P	48	48	0	1	0
8	B	2101650100023	ANKIT KUMAR	P	4	4	1	0	0
9	B	2101650100024	ANSHIKA BAJPAI	P	68	68	0	0	1
10	B	2101650100025	ANSHUMAN SINGH	P	14	14	1	0	0
11	B	2101650100026	ANUJ KUSHVAHA	P	16	16	1	0	0
12	B	2101650100031	ARYAN KUMAR GUPTA	P	34	34	1	0	0
13	B	2101650100035	AVANEESH VISHWAKARMA	P	18	18	1	0	0
14	B	2101650100037	AYUSH KUMAR	P	30	30	1	0	0
15	B	2101650100040	DEEPANSHI SRIVASTAVA	P	51	51	0	1	0
16	B	2101650100043	HARDIK MISHRA	P	44	44	0	1	0
17	B	2101650100044	HARSH GUPTA	P	14	14	1	0	0
18	B	2101650100048	HARSHIT SAHU	P	58	58	0	1	0
19	B	2101650100049	HIMANSHU VISHWAKARMA	P	56	56	0	1	0
20	B	2101650100050	HRITIK GUPTA	P	30	30	1	0	0
21	B	2101650100052	JOYA MANSOORI	P	58	58	0	1	0
22	B	2101650100054	KASHISH GUPTA	P	41	41	0	1	0
23	B	2101650100055	KAUSTUBH SAINI	P	42	42	0	1	0
24	B	2101650100057	KHUSHI YADAV	P	11	11	1	0	0
25	B	2101650100058	KOMAL	P	50	50	0	1	0
26	B	2101650100059	KRATIKA JAISWAL	P	21	21	1	0	0
27	B	2101650100065	MOHD KAIF	P	0	0	1	0	0
28	B	2101650100066	MRIDUL GUPTA	P	40	40	0	1	0
29	B	2101650100068	NILESH SHARMA	P	49	49	0	1	0
30	B	2101650100071	NITISH RAI	P	4	4	1	0	0
31	B	2101650100072	PARTH KATIYAR	P	46	46	0	1	0
32	B	2101650100073	PARUL YADAV	P	34	34	1	0	0
33	B	2101650100075	PRAKHAR TRIPATHI	P	17	17	1	0	0
34	B	2101650100081	PRIYAM PANDEY	P	15	15	1	0	0
35	B	2101650100084	REETIKA GUPTA	P	64	64	0	0	1
36	B	2101650100085	SAADUDDIN	P	12	12	1	0	0
37	B	2101650100087	SANDEEP YADAV	P	65	65	0	0	1
38	B	2101650100088	SANIYA GUPTA	P	54	54	0	1	0
39	B	2101650100092	SATYAM	P	50	50	0	1	0
40	B	2101650100093	SAURABH KUMAR	P	37	37	1	0	0
41	B	2101650100094	SAURAV	P	37	37	1	0	0
42	B	2101650100098	SHIVAJI SINGH	P	53	53	0	1	0
43	B	2101650100100	SHIVAM PAL	P	30	30	1	0	0
44	B	2101650100102	SHARABH PATEL	A	ABS	A	A	A	A
45	B	2101650100103	SHREYA DUBEY	P	30	30	1	0	0
46	B	2101650100107	SPARSH TIWARI	P	57	57	0	1	0
47	B	2101650100108	SRIHANSH KUMAR	P	73	73	0	0	1
48	B	2101650100109	SRUTI SINGH	P	39	39	1	0	0
49	B	2101650100110	SUBHASHISH SAHU	P	12	12	1	0	0
50	B	2101650100111	SUNIDHA SRIVASTAVA	P	46	46	0	1	0
51	B	2101650100112	SURAJ SINGH	P	16	16	1	0	0
52	B	2101650100113	SWAYAM SINGH	P	30	30	1	0	0
53	B	2101650100116	UTKARSH GUPTA	P	69	69	0	0	1
54	B	2101650100118	VARUN GUPTA	P	21	21	1	0	0
55	B	2101650100119	VIKASH SRIVASTAVA	P	32	32	1	0	0
56	B	2101650100121	YASH KUMAR SAHU	P	49	49	0	1	0
57	B	2101650100122	YOGESH KUMAR	P	13	13	1	0	0
58	B	2101650100123	YOGESH TRIPATHI	P	37	37	1	0	0
Total						30	21	6	
% Student						52.63	36.84	10.53	
% CO attained						52.63			

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for CO Attainment		
Semester: I		Name of the Faculty: Ms. Deepanjali Shukla
Subject Code: KAS102T	Total No. of Students: 58	Subject Name: Engineering Chemistry
CO1	Use of different analytical instruments	
CO2	Measure molecular/ system properties such as surface tension, viscosity, conductance of solution, chloride and iron content in water.	
CO3	Measure hardness of water.	
CO4	Estimate the rate constant of reaction.	
CO5	NA	

Direct Assessment						
S.No.	Exam	CO1	CO2	CO3	CO4	CO5
1	Internal	98.28	98.28	98.28	98.28	NOT APPLICABLE
Average		98.28	98.28	98.28	98.28	NOT APPLICABLE

Average % Students Attained Course Outcomes					
S.N.	Course Outcome	TOTAL % STUDENT WHO ATTAINED OUTCOME (Internal)	TOTAL % STUDENT WHO ATTAINED OUTCOME (University)	TOTAL % STUDENT WHO ATTAINED OUTCOME (Indirect - Survey)	Goal
1	CO1	98.28	52.63	84.48	60
2	CO2	98.28	52.63	85.06	60
3	CO3	98.28	52.63	75.29	60
4	CO4	98.28	52.63	64.37	60
5	CO5	NOT APPLICABLE	0.00	NOT APPLICABLE	NOT APPLICABLE
Average % Students Attained Course Outcomes		98.28	52.63	77.30	60.00

Weightage of attainment level	
Direct Assessment	80%
Internal Assessment	60%
University Assessment	40%
Indirect Assessment	20%

% of students attained the outcome					
Assessment Types	% of students attained CO1	% of students attained CO2	% of students attained CO3	% of students attained CO4	% of students attained CO5
Internal Assessment (I)	98.28	98.28	98.28	98.28	NOT APPLICABLE
University Assessment (U)	52.63	52.63	52.63	52.63	NOT APPLICABLE
Direct Assessment (DI) $DI=0.6*I + 0.4*U$	80.02	80.02	80.02	80.02	NOT APPLICABLE
Indirect Assessment (ID)	84.48	85.06	75.29	64.37	NOT APPLICABLE
Total = $0.8*DI + 0.2*ID$	80.91	81.03	79.07	76.89	NOT APPLICABLE

Attainment Level: Rationale				
EE	Exceed Expectation	Attainment > 5% above the goal		
ME	Meet Expectation	5% below the goal ≤ Attainment < 5% above the goal		
BE	Below Expectation	Attainment < 5% below the goal		
Code	Description	Goal (%)	Attainment obtained	Attainment Level
EE	Attainment obtained > 58%	60.00	Attainment value > 63	3
ME	Attainment obtained between 52.% to 58%		57 ≤ Attainment value < 63	2
BE	Attainment obtained below 52%		Attainment value < 57	1

% of students attained the outcome w.r.t attainment level					
Assessment Types	% of students attained CO1	% of students attained CO2	% of students attained CO3	% of students attained CO4	% of students attained CO5
Internal Assessment (I)	3	3	3	3	NOT APPLICABLE
University Assessment (U)	1	1	1	1	NOT APPLICABLE
Direct Assessment (DI) $DI=0.6*I + 0.4*U$	2.2	2.2	2.2	2.2	NOT APPLICABLE
Indirect Assessment (ID)	3	3	3	3	NOT APPLICABLE
Total = $0.8*DI + 0.2*ID$	2.36	2.36	2.36	2.36	NOT APPLICABLE

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for Indirect Assessment		
Semester: I	Name of the Faculty: Ms. Deepanjali Shukla	
Subject Code: KAS102T	Total No. of Students: 58	Subject Name: Engineering Chemistry
CO1	Use of different analytical instruments	
CO2	Measure molecular/ system properties such as surface tension, viscosity, conductance of solution, chloride and iron content in water.	
CO3	Measure hardness of water.	
CO4	Estimate the rate constant of reaction.	
CO5	NA	

Indirect Survey Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Students feedback Matrix					Total No. of Participants				0
S.No	Course Outcome	Total students participated in feedback	No of students in option1 (3)	No. of students for option2 (2)	No. of students in option3 (1)	No. of students in option4 (0)	Total Point	Total point attained	% Attained
1	CO1	58	33	23	2	0	174	147	84.48
2	CO2	58	34	22	2	0	174	148	85.06
3	CO3	58	22	29	7	0	174	131	75.29
4	CO4	58	10	34	14	0	174	112	64.37
5	CO5	NA	0	0	0	0	NA	NA	NA
Average % Students who Attained Course Outcomes									77.30

CO-PO Matrix																	
S.No.	CO/PO	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	3	2	2	3	1	1	1	1	2	2	1	1	1	1	1
2	CO2	A	3	3	2	2	1	1	1	1	1	2	1	2	1	1	1
3	CO3	A	3	3	3	2	2	1	1	1	1	2	1	2	1	1	1
4	CO4	A	2	3	3	2	2	1	1	1	2	2	1	2	1	1	1
5	CO5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average PO			2.75	2.75	2.5	2.25	1.5	1	1	1	1.25	2	1	1.75	1	1	1

Indirect Attainment of CO																	
S.No.	Exam	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	2.53	1.69	1.69	2.53	0.84	0.84	0.84	0.84	1.69	1.69	0.84	0.84	0.84	0.84	0.84
2	CO2	A	2.55	2.55	1.70	1.70	0.85	0.85	0.85	0.85	0.85	1.70	0.85	1.70	0.85	0.85	0.84
3	CO3	A	2.26	2.26	2.26	1.51	1.51	0.75	0.75	0.75	0.75	1.51	0.75	1.51	0.75	0.75	0.84
4	CO4	A	1.29	1.93	1.93	1.29	1.29	0.64	0.64	0.64	0.64	1.29	0.64	1.29	0.64	0.64	0.84
5	CO5	NA															
Average PO			2.16	2.11	1.90	1.76	1.12	0.77	0.77	0.77	0.98	1.55	0.77	1.33	0.77	0.77	0.84

Kanpur Institute of Technology, Kanpur																
Assessment Sheet for PO Attainment																
Semester: I				Name of the Faculty:Ms. Deepanjali Shukla												
Subject Code: KAS102T				Total No. of Students: 58					Subject Name: Engineering Chemistry							

MAPPING OF COURSE OUTCOME WITH PROGRAM OUTCOMES/PROGRAM SPECIFIC OUTCOME																
S.No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	3.00	2.00	2.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00
2	CO2	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	2.00	1.00	1.00	1.00
3	CO3	3.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00	2.00	1.00	2.00	1.00	1.00	1.00
4	CO4	2.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00	2.00	1.00	2.00	1.00	1.00	1.00
5	CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average CO		2.75	2.75	2.50	2.25	1.50	1.00	1.00	1.00	1.25	2.00	1.00	1.75	1.00	1.00	1.00

Direct Assessment (Internal + University)																	
S.No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	% of students attained CO
1	CO1	2.40	1.60	1.60	2.40	0.80	0.80	0.80	0.80	1.60	1.60	0.80	0.80	0.80	0.80	0.80	80.02
2	CO2	2.40	2.40	1.60	1.60	0.80	0.80	0.80	0.80	0.80	1.60	0.80	1.60	0.80	0.80	0.80	80.02
3	CO3	2.40	2.40	2.40	1.60	1.60	0.80	0.80	0.80	0.80	1.60	0.80	1.60	0.80	0.80	0.80	80.02
4	CO4	1.60	2.40	2.40	1.60	1.60	0.80	0.80	0.80	0.80	1.60	0.80	1.60	0.80	0.80	0.80	80.02
5	CO5																NOT APPLICABLE
Average PO		2.20	2.20	2.00	1.80	1.20	0.80	0.80	0.80	1.00	1.60	0.80	1.40	0.80	0.80	0.80	80.02

Indirect Attainment of CO																	
S.No.	Exam	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	% of student Indirect Attained
1	CO1	2.53	1.69	1.69	2.53	0.84	0.84	0.84	0.84	1.69	1.69	0.84	0.84	0.84	0.84	0.84	84.48
2	CO2	2.55	2.55	1.70	1.70	0.85	0.85	0.85	0.85	0.85	1.70	0.85	1.70	0.85	0.85	0.84	85.06
3	CO3	2.26	2.26	2.26	1.51	1.51	0.75	0.75	0.75	0.75	1.51	0.75	1.51	0.75	0.75	0.84	75.29
4	CO4	1.29	1.93	1.93	1.29	1.29	0.64	0.64	0.64	0.64	1.29	0.64	1.29	0.64	0.64	0.84	64.37
5	CO5																NOT APPLICABLE
Average PO		2.16	2.11	1.90	1.76	1.12	0.77	0.77	0.77	0.98	1.55	0.77	1.33	0.77	0.77	0.84	77.30

PO Attainment																
Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
Direct(D)	2.20	2.20	2.00	1.80	1.20	0.80	0.80	0.80	1.00	1.60	0.80	1.40	0.80	0.80	0.80	
Indirect(I)	2.16	2.11	1.90	1.76	1.12	0.77	0.77	0.77	0.98	1.55	0.77	1.33	0.77	0.77	0.84	
Total=.8*D+0.2*I	2.19	2.18	1.98	1.79	1.18	0.79	0.79	0.79	1.00	1.59	0.79	1.39	0.79	0.79	0.81	

Kanpur Institute of Technology, Kanpur					VALUE
Feedback					
Semester: I		Name of the Faculty:Ms. Deepanjali Shukla			
Subject Code: KAS102T		Total No. of Students: 58		Subject Name: Engineering Chemistry	
CO1	Use of different analytical instruments				To be filled by student
CO2	Measure molecular/ system properties such as surface tension, viscosity, conductance of solution, chloride and iron content in water.				To be filled by student
CO3	Measure hardness of water.				To be filled by student
CO4	Estimate the rate constant of reaction.				To be filled by student
CO5	NA				To be filled by student

Indirect Survey Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Name & Signature of the Student

Kanpur Institute of Technology, Kanpur					VALUE
Feedback					
Semester: I		Name of the Faculty:Ms. Deepanjali Shukla			
Subject Code: KAS102T		Total No. of Students: 58		Subject Name: Engineering Chemistry	
CO1	Use of different analytical instruments				To be filled by student
CO2	Measure molecular/ system properties such as surface tension, viscosity, conductance of solution, chloride and iron content in water.				To be filled by student
CO3	Measure hardness of water.				To be filled by student
CO4	Estimate the rate constant of reaction.				To be filled by student
CO5	NA				To be filled by student

Indirect Survey Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Name & Signature of the Student

Kanpur Institute of Technology, Kanpur		
Common Data Input Sheet		
Semester: II	Name of the Faculty: Mr. Deepak Kumar Jha	
Subject Code: KAS203T	Total No. of Students: 14	Subject Name: Engineering Mathematics I

CO DESCRIPTION TABLE	
CO LIST	DESCRIPTION
CO1	Remember the concept of matrices and apply for solving linear simultaneous equations.
CO2	Understand the concept of limit, continuity and differentiability and apply in the study of Rolle's, Lagrange's and Cauchy mean value theorem and Leibnitz theorems
CO3	Identify the application of partial differentiation and apply for evaluating maxima, minima, series and Jacobians.
CO4	Illustrate the working methods of multiple integral and apply for finding area, volume, centre of mass and centre of gravity.
CO5	Remember the concept of vector and apply for directional derivatives, tangent and normal planes. Also evaluate line, surface and volume integrals.

CO-PO Matrix																	
S.No.	CO/PO	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	1	3	1	2	2	1	1	2	2	2	-	2	-	-	-
2	CO2	A	2	3	-	1	2	-	-	1	2	2	-	1	-	-	-
3	CO3	A	2	3	-	1	2	1	-	1	2	1	-	-	-	-	-
4	CO4	A	2	3	-	2	2	-	-	1	2	1	-	-	-	-	-
5	CO5	A	2	3	-	1	1	1	-	1	2	1	-	-	-	-	-

(Please Fill up 'NA' in STATUS COLUMN if any CO is NOT APPLICABLE)

Kanpur Institute of Technology, Kanpur										
Assessment Sheet for PU										
Semester: II					Name of the Faculty:Mr.Deepak Kumar Jha				Subject Code: KAS203T	
CO1			Remember the concept of matrices and apply for solving linear simultaneous equations.							
CO2			Understand the concept of limit , continuity and differentiability and apply in the study of Rolle,s , Lagrange,s and Cauchy mean value theorem and Leibnitz theorems							
CO3			Identify the application of partial differentiation and apply for evaluating maxima, minima, series and Jacobians.							
CO4			Illustrate the working methods of multiple integral and apply for finding area, volume, centre of mass and centre of gravity.							
CO5			Remember the concept of vector and apply for directional derivatives, tangent and normal planes. Also evaluate line, surface and volume integrals.							
S.No	SEC	Roll No	Student Name	Total Present Status	Internal CO	Out of	CO attained			
					marks		APPLICABLE			
							CO	AL:1	AL:2	AL:3
Distribution of Marks				14	50	50	50	>=40% & <60%	>=60%	
1	A	2101650310001	ABHISHEK MISHRA	P	42	42	42	0	0	1
2	A	2101650310002	ADITYA KR. TRIPATHI	P	50	50	50	0	0	1
3	A	2101650310003	AMAN VERMA	P	50	50	50	0	0	1
4	A	2101650310004	ANAMIKA JHA	P	42	42	42	0	0	1
5	A	2101650310005	AVINISH SINGH	P	44	44	44	0	0	1
6	A	2101650310006	DHRUV MISHRA	P	39	39	39	0	0	1
7	A	2101650310007	KRITIKA KUMARI	P	49	49	49	0	0	1
8	A	2101650310008	MOHD SAHIL AHMAD	P	34	34	34	0	0	1
9	A	2101650310009	MOHD ADNAN	P	40	40	40	0	0	1
10	A	2101650310010	MOHD ALTAMAS	P	26	26	26	0	1	0
11	A	2101650310011	RISHABH RAWAT	P	40	40	40	0	0	1
12	A	2101650310012	SHIKHAR GUPTA	P	47	47	47	0	0	1
13	A	2101650310013	SHUBHAM GUPTA	P	45	45	45	0	0	1
14	A	2101650310014	SWETA TIWARI	P	50	50	50	0	0	1
						Total	CO	0	1	13
						% Student		1.72	1.72	96.56
						% CO attained		98.28		

Kanpur Institute of Technology, Kanpur																																																																																										
Assessment Sheet for Feedback																																																																																										
Semester: II			Name of the Faculty:Mr.Deepak Kumar Jha																																																																																							
Subject Code: KAS203T					Subject Name: Engineering Mathematics I																																																																																					
CO1	Remember the concept of matrices and apply for solving linear simultaneous equations.																																																																																									
CO2	Understand the concept of limit , continuity and differentiability and apply in the study of Rolle,s , Lagrange,s and Cauchy mean value theorem and Leibnitz theorems																																																																																									
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					<table border="1"> <tr> <th colspan="5">Course Outcomes</th> <th>CO1 Feedback</th> <th>CO2 Feedback</th> <th>CO3 Feedback</th> <th>CO4 feedback</th> <th>CO5 feedback</th> </tr> <tr> <th>CO1</th> <th>CO2</th> <th>CO3</th> <th>CO4</th> <th>CO5</th> <th>APPLICABLE</th> <th>APPLICABLE</th> <th>APPLICABLE</th> <th>APPLICABLE</th> <th>APPLICABLE</th> </tr> <tr> <td>A</td> <td>A</td> <td>A</td> <td>A</td> <td>A</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5">No of students in option1 (3)</td> <td>3</td> <td>3</td> <td>7</td> <td>5</td> <td>4</td> </tr> <tr> <td colspan="5">No. of students for option2 (2)</td> <td>8</td> <td>8</td> <td>6</td> <td>7</td> <td>7</td> </tr> <tr> <td colspan="5">No. of students in option3 (1)</td> <td>3</td> <td>3</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td colspan="5">No. of students in option4 (0)</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="5"></td> <td>14</td> <td>14</td> <td>14</td> <td>14</td> <td>14</td> </tr> </table>						Course Outcomes					CO1 Feedback	CO2 Feedback	CO3 Feedback	CO4 feedback	CO5 feedback	CO1	CO2	CO3	CO4	CO5	APPLICABLE	APPLICABLE	APPLICABLE	APPLICABLE	APPLICABLE	A	A	A	A	A						No of students in option1 (3)					3	3	7	5	4	No. of students for option2 (2)					8	8	6	7	7	No. of students in option3 (1)					3	3	1	2	3	No. of students in option4 (0)					0	0	0	0	0						14	14	14	14	14
Course Outcomes					CO1 Feedback	CO2 Feedback	CO3 Feedback	CO4 feedback	CO5 feedback																																																																																	
CO1	CO2	CO3	CO4	CO5	APPLICABLE	APPLICABLE	APPLICABLE	APPLICABLE	APPLICABLE																																																																																	
A	A	A	A	A																																																																																						
No of students in option1 (3)					3	3	7	5	4																																																																																	
No. of students for option2 (2)					8	8	6	7	7																																																																																	
No. of students in option3 (1)					3	3	1	2	3																																																																																	
No. of students in option4 (0)					0	0	0	0	0																																																																																	
					14	14	14	14	14																																																																																	
Total Students		14																																																																																								

Kanpur Institute of Technology, Kanpur									
Assessment Sheet for UNIVERSITY									
Semester: II					Name of the Faculty:Mr.Deepak Kumar Jha				
Subject Code: KAS203T					Subject Name: Engineering Mathematics I				
CO1			Remember the concept of matrices and apply for solving linear simultaneous equations.						
CO2			Understand the concept of limit , continuity and differentiability and apply in the study of Rolle,s , Lagrange,s and Cauchy mean value theorem and Leibnitz theorems						
CO3			Identify the application of partial differentiation and apply for evaluating maxima, minima, series and Jacobians.						
CO4			Illustrate the working methods of multiple integral and apply for finding area, volume, centre of mass and centre of gravity.						
CO5			Remember the concept of vector and apply for directional derivatives, tangent and normal planes. Also evaluate line, surface and volume integrals.						
S.No	SEC	Roll No	Student Name	Total Present Status	From University	Out of	UNIVERSITY ATTAINMENT		
							APPLICABLE		
Distribution of Marks				14	100	100	AL:1 <40%	AL:2 >=40% & <60%	AL:3 >=60%
1	A	2101650310001	ABHISHEK MISHRA	P	45	45	0	1	0
2	A	2101650310002	ADITYA KR. TRIPATHI	P	21	21	1	0	0
3	A	2101650310003	AMAN VERMA	P	40	40	0	1	0
4	A	2101650310004	ANAMIKA JHA	P	0	0	1	0	0
5	A	2101650310005	AVINISH SINGH	P	17	17	1	0	0
6	A	2101650310006	DHRUV MISHRA	P	6	6	1	0	0
7	A	2101650310007	KRITIKA KUMARI	P	20	20	1	0	0
8	A	2101650310008	MOHD SAHIL AHMAD	P	0	0	1	0	0
9	A	2101650310009	MOHD ADNAN	P	17	17	1	0	0
10	A	2101650310010	MOHD ALTAMAS	P	45	45	0	1	0
11	A	2101650310011	RISHABH RAWAT	P	0	0	1	0	0
12	A	2101650310012	SHIKHAR GUPTA	P	12	12	1	0	0
13	A	2101650310013	SHUBHAM GUPTA	P	40	40	0	1	0
14	A	2101650310014	SWETA TIWARI	P	40	40	0	1	0
						Total	9	5	0
						% Student	64.29	35.71	0
						% CO attained	45.24		

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for CO Attainment		
Semester: II		Name of the Faculty: Mr. Deepak Kumar Jha
Subject Code: KAS203T	Total No. of Students: 14	Subject Name: Engineering Mathematics I
CO1	Remember the concept of matrices and apply for solving linear simultaneous equations.	
CO2	Understand the concept of limit, continuity and differentiability and apply in the study of Rolle's, Lagrange's and Cauchy mean value theorem and Leibnitz theorems	
CO3	Identify the application of partial differentiation and apply for evaluating maxima, minima, series and Jacobians.	
CO4	Illustrate the working methods of multiple integral and apply for finding area, volume, centre of mass and centre of gravity.	
CO5	Remember the concept of vector and apply for directional derivatives, tangent and normal planes. Also evaluate line, surface and volume integrals.	

Direct Assessment						
S.No.	Exam	CO1	CO2	CO3	CO4	CO5
1	Internal	98.28	98.28	98.28	98.28	98.28
Average		98.28	98.28	98.28	98.28	98.28

Average % Students Attained Course Outcomes					
S.N.	Course Outcome	TOTAL % STUDENT WHO ATTAINED OUTCOME (Internal)	TOTAL % STUDENT WHO ATTAINED OUTCOME (University)	TOTAL % STUDENT WHO ATTAINED OUTCOME (Indirect - Survey)	Goal
1	CO1	98.28	45.24	66.67	60
2	CO2	98.28	45.24	66.67	60
3	CO3	98.28	45.24	80.95	60
4	CO4	98.28	45.24	73.81	60
5	CO5	98.28	45.24	69.05	60
Average % Students Attained Course Outcomes		98.28	45.24	71.43	60.00

Weightage of attainment level	
Direct Assessment	80%
Internal Assessment	60%
University Assessment	40%
Indirect Assessment	20%

% of students attained the outcome					
Assessment Types	% of students attained CO1	% of students attained CO2	% of students attained CO3	% of students attained CO4	% of students attained CO5
Internal Assessment (I)	98.28	98.28	98.28	98.28	98.28
University Assessment (U)	45.24	45.24	45.24	45.24	45.24
Direct Assessment (DI) $DI = 0.6 \cdot I + 0.4 \cdot U$	77.06	77.06	77.06	77.06	77.06
Indirect Assessment (ID)	66.67	66.67	80.95	73.81	69.05
Total = $0.8 \cdot DI + 0.2 \cdot ID$	74.98	74.98	77.84	76.41	75.46

Attainment Level: Rationale				
EE	Exceed Expectation	Attainment > 5% above the goal		
ME	Meet Expectation	5% below the goal ≤ Attainment < 5% above the goal		
BE	Below Expectation	Attainment < 5% below the goal		
Code	Description	Goal (%)	Attainment obtained	Attainment Level
EE	Attainment obtained > 58%	60.00	Attainment value > 63	3
ME	Attainment obtained between 52% to 58%		57 ≤ Attainment value < 63	2
BE	Attainment obtained below 52%		Attainment value < 57	1

% of students attained the outcome w.r.t attainment level					
Assessment Types	% of students attained CO1	% of students attained CO2	% of students attained CO3	% of students attained CO4	% of students attained CO5
Internal Assessment (I)	3	3	3	3	3
University Assessment (U)	1	1	1	1	1
Direct Assessment (DI) $DI = 0.6 \cdot I + 0.4 \cdot U$	2.2	2.2	2.2	2.2	2.2
Indirect Assessment (ID)	3	3	3	3	3
Total = $0.8 \cdot DI + 0.2 \cdot ID$	2.36	2.36	2.36	2.36	2.36

Kanpur Institute of Technology, Kanpur		
Assessment Sheet for Indirect Assessment		
Semester: II	Name of the Faculty: Mr. Deepak Kumar Jha	
Subject Code: KAS203T	Total No. of Students: 14	Subject Name: Engineering Mathematics I
CO1	Remember the concept of matrices and apply for solving linear simultaneous equations.	
CO2	Understand the concept of limit, continuity and differentiability and apply in the study of Rolle's, Lagrange's and Cauchy mean value theorem and Leibnitz theorems	
CO3	Identify the application of partial differentiation and apply for evaluating maxima, minima, series and Jacobians.	
CO4	Illustrate the working methods of multiple integral and apply for finding area, volume, centre of mass and centre of gravity.	
CO5	Remember the concept of vector and apply for directional derivatives, tangent and normal planes. Also evaluate line, surface and volume integrals.	

Indirect Survey Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Students feedback Matrix					Total No. of Participants				0
S.No	Course Outcome	Total students participated in feedback	No of students in option1 (3)	No. of students for option2 (2)	No. of students in option3 (1)	No. of students in option4 (0)	Total Point	Total point attained	% Attained
1	CO1	14	3	8	3	0	42	28	66.67
2	CO2	14	3	8	3	0	42	28	66.67
3	CO3	14	7	6	1	0	42	34	80.95
4	CO4	14	5	7	2	0	42	31	73.81
5	CO5	14	4	7	3	3	42	29	69.05
Average % Students who Attained Course Outcomes									71.43

CO-PO Matrix																	
S.No.	CO/PO	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	1	3	1	2	2	1	1	2	2	2	-	2	-	-	-
2	CO2	A	2	3	-	1	2	-	-	1	2	2	-	1	-	-	-
3	CO3	A	2	3	-	1	2	1	-	1	2	1	-	-	-	-	-
4	CO4	A	2	3	-	2	2	-	-	1	2	1	-	-	-	-	-
5	CO5	A	2	3	-	1	1	1	-	1	2	1	-	-	-	-	-
Average PO			1.8	3	1	1.4	1.8	1	1	1.2	2	1.4	#DIV/0!	1.5	#DIV/0!	#DIV/0!	#DIV/0!

Indirect Attainment of CO																	
S.No.	Exam	STATUS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	A	0.67	2.00	0.67	1.33	1.33	0.67	0.67	1.33	1.33	1.33		1.33			
2	CO2	A	1.33	2.00		0.67	1.33			0.67	1.33	1.33		0.67			
3	CO3	A	1.62	2.43		0.81	1.62	0.81		0.81	1.62	0.81					
4	CO4	A	1.48	2.21		1.48	1.48			0.74	1.48	0.74					
5	CO5	A	1.38	2.07		0.69	0.69	0.69		0.69	1.38	0.69					
Average PO			1.30	2.14	0.67	1.00	1.29	0.72	0.67	0.85	1.43	0.98	#DIV/0!	1.00	#DIV/0!	#DIV/0!	#DIV/0!

Kanpur Institute of Technology, Kanpur																
Assessment Sheet for PO Attainment																
Semester: II				Name of the Faculty:Mr.Deepak Kumar Jha												
Subject Code: KAS203T				Total No. of Students: 14					Subject Name: Engineering Mathematics I							

MAPPING OF COURSE OUTCOME WITH PROGRAM OUTCOMES/PROGRAM SPECIFIC OUTCOME																
S.No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	1.00	3.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	-	2.00	-	-	-
2	CO2	2.00	3.00	-	1.00	2.00	-	-	1.00	2.00	2.00	-	1.00	-	-	-
3	CO3	2.00	3.00	-	1.00	2.00	1.00	-	1.00	2.00	1.00	-	-	-	-	-
4	CO4	2.00	3.00	-	2.00	2.00	-	-	1.00	2.00	1.00	-	-	-	-	-
5	CO5	2.00	3.00	-	1.00	1.00	1.00	-	1.00	2.00	1.00	-	-	-	-	-
Average CO		1.80	3.00	1.00	1.40	1.80	1.00	1.00	1.20	2.00	1.40	#DIV/0!	1.50	#DIV/0!	#DIV/0!	#DIV/0!

Direct Assessment (Internal + University)																	
S.No.	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	% of students attained CO
1	CO1	0.77	2.31	0.77	1.54	1.54	0.77	0.77	1.54	1.54	1.54		1.54				77.06
2	CO2	1.54	2.31		0.77	1.54			0.77	1.54	1.54		0.77				77.06
3	CO3	1.54	2.31		0.77	1.54	0.77		0.77	1.54	0.77						77.06
4	CO4	1.54	2.31		1.54	1.54			0.77	1.54	0.77						77.06
5	CO5	1.54	2.31		0.77	0.77	0.77		0.77	1.54	0.77						77.06
Average PO		1.39	2.31	0.77	1.08	1.39	0.77	0.77	0.92	1.54	1.08		1.16				77.06

Indirect Attainment of CO																	
S.No.	Exam	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	% of student Indirect Attained
1	CO1	0.67	2.00	0.67	1.33	1.33	0.67	0.67	1.33	1.33	1.33		1.33				66.67
2	CO2	1.33	2.00		0.67	1.33			0.67	1.33	1.33		0.67				66.67
3	CO3	1.62	2.43		0.81	1.62	0.81		0.81	1.62	0.81						80.95
4	CO4	1.48	2.21		1.48	1.48			0.74	1.48	0.74						73.81
5	CO5	1.38	2.07		0.69	0.69	0.69		0.69	1.38	0.69						69.05
Average PO		1.30	2.14	0.67	1.00	1.29	0.72	0.67	0.85	1.43	0.98		1.00				71.43

PO Attainment																
Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
Direct(D)	1.39	2.31	0.77	1.08	1.39	0.77	0.77	0.92	1.54	1.08		1.16				
Indirect(I)	1.30	2.14	0.67	1.00	1.29	0.72	0.67	0.85	1.43	0.98		1.00				
Total=.8*D+0.2*I	1.37	2.28	0.75	1.06	1.37	0.76	0.75	0.91	1.52	1.06		1.13				

Kanpur Institute of Technology, Kanpur					VALUE
Feedback					
Semester: II			Name of the Faculty:Mr.Deepak Kumar Jha		
Subject Code: KAS203T			Total No. of Students: 14		
CO1	Remember the concept of matrices and apply for solving linear simultaneous equations.				To be filled by students
CO2	Understand the concept of limit , continuity and differentiability and apply in the study of Rolle,s , Lagrange,s and Cauchy mean value theorem and Leibnitz theorems				To be filled by students
CO3	Identify the application of partial differentiation and apply for evaluating maxima, minima, series and Jacobians.				To be filled by students
CO4	Illustrate the working methods of multiple integral and apply for finding area, volume, centre of mass and centre of gravity.				To be filled by students
CO5	Remember the concept of vector and apply for directional derivatives, tangent and normal planes. Also evaluate line, surface and volume integrals.				To be filled by students

Indirect Survey Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Name & Signature of the Student

Kanpur Institute of Technology, Kanpur					VALUE
Feedback					
Semester: II		Name of the Faculty:Mr.Deepak Kumar Jha			
Subject Code: KAS203T		Total No. of Students: 14		Subject Name: Engineering Mathematics I	
CO1	Remember the concept of matrices and apply for solving linear simultaneous equations.				To be filled by students
CO2	Understand the concept of limit , continuity and differentiability and apply in the study of Rolle,s , Lagrange,s and Cauchy mean value theorem and Leibnitz theorems				To be filled by students
CO3	Identify the application of partial differentiation and apply for evaluating maxima, minima, series and Jacobians.				To be filled by students
CO4	Illustrate the working methods of multiple integral and apply for finding area, volume, centre of mass and centre of gravity.				To be filled by students
CO5	Remember the concept of vector and apply for directional derivatives, tangent and normal planes. Also evaluate line, surface and volume integrals.				To be filled by students

Indirect Survey Table		
Options	Description	Value
Option 1	Acquired Very Well with proficiency	3
Option 2	Acquired enough to do my work	2
Option 3	Acquired Marginally	1
Option 4	Did not acquire at all	0

Name & Signature of the Student