



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S & Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Electrical Circuit Analysis		Year/Semester:		II-I	
		CO1	C02	C02	C03		
		Q1	Q2	Q3	Q4	Objective	Assignment
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		2	2		5	5
2	21Q61A0202		2	2		5	5
3	21Q61A0203		2	2		5	5
4	21Q61A0204		2	2		5	5
5	21Q61A0205		2	2		5	5
6	21Q61A0206		5	4		4	5
7	21Q61A0207		2	2		5	5
8	21Q61A0208		4	5		4	5
9	21Q61A0209		2	2		5	5
10	21Q61A0210		2	2		5	5
11	21Q61A0211	5	5			8	5
12	21Q61A0212	5	5			10	5
13	21Q61A0213		5	4		7	5
14	21Q61A0214		5		4	9	5
15	22Q65A0201		2	4		5	5
16	22Q65A0202		4	5		8	5
17	22Q65A0203		5	4		9	5
18	22Q65A0204		4	4		9	5
19	22Q65A0205		4	4		8	5
20	22Q65A0206		5	4		8	5
21	22Q65A0207		5	4		9	5
22	22Q65A0208		4	4		6	5
23	22Q65A0209	5	5			8	5
24	22Q65A0210		4	5		7	5
25	22Q65A0211		4	4		7	5
26	22Q65A0212	5	4			10	5
27	22Q65A0213		4	4		5	5
28	22Q65A0214	4	4			10	5
No. of students attempted		5	28	22	1	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		5	19	14	1	28	28
% of Students > 50%		100	67.86	63.64	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Electrical Circuit Analysis		Year/Semester:		II-I	
Sl.No	Roll Number	CO3	C04	C04	C05	Objective	Assignment
		Question No:					
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	3			3	3	5
2	21Q61A0202	3			3	3	5
3	21Q61A0203	3			3	3	5
4	21Q61A0204	3			3	3	5
5	21Q61A0205	3		3		3	5
6	21Q61A0206		4		4	5	5
7	21Q61A0207	3			3	3	5
8	21Q61A0208	4			4	5	5
9	21Q61A0209	3	3			3	5
10	21Q61A0210				3	3	5
11	21Q61A0211	5			5	8	5
12	21Q61A0212	5	5			10	5
13	21Q61A0213	4			4	5	5
14	21Q61A0214	5			4	8	5
15	22Q65A0201	4			4	5	5
16	22Q65A0202	4		4		8	5
17	22Q65A0203	4			4	7	5
18	22Q65A0204	5			5	8	5
19	22Q65A0205	4		4		7	5
20	22Q65A0206	4		4		8	5
21	22Q65A0207	4		4		8	5
22	22Q65A0208	4		4		7	5
23	22Q65A0209	5			4	9	5
24	22Q65A0210	3		4		7	5
25	22Q65A0211	4		4		5	5
26	22Q65A0212	4			4	6	5
27	22Q65A0213	4		4		5	5
28	22Q65A0214	5			5	8	5
No. of students attempted		26	3	9	17	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		26	3	9	17	20	28
% of Students > 50%		100	100	100	100	100	100
Attainment Level		3	3	3	3	3	3

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Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Electrical Circuit Analysis	Year/Semister:	II-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	29
2	21Q61A0202	32
3	21Q61A0203	29
4	21Q61A0204	26
5	21Q61A0205	29
6	21Q61A0206	26
7	21Q61A0207	29
8	21Q61A0208	29
9	21Q61A0209	32
10	21Q61A0210	30
11	21Q61A0211	26
12	21Q61A0212	32
13	21Q61A0213	16
14	21Q61A0214	39
15	22Q65A0201	15
16	22Q65A0202	9
17	22Q65A0203	60
18	22Q65A0204	29
19	22Q65A0205	57
20	22Q65A0206	14
21	22Q65A0207	26
22	22Q65A0208	29
23	22Q65A0209	26
24	22Q65A0210	29
25	22Q65A0211	31
26	22Q65A0212	30
27	22Q65A0213	29
28	22Q65A0214	26

No. of students who attempted the subject	28
Max. Marks	75
No. of students secured > 26 marks	21
Percentage of students secured > 26 marks	75.0
Overall External Attainment level	3

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Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	ECA	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Apply network theorems for the analysis of electrical circuits.
CO2	Obtain the transient and steady-state response of electrical circuits.
CO3	3 Analyze circuits in the sinusoidal steady-state (single-phase and three-phase).
CO4	Analyze two port circuit behavior.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	2								2	2
CO2	3	3	2	2	2								2	2
CO3	3	3	2	2	2								2	2
CO4	3	3	2	2	2								2	2
CO avg(M)	3	3	2	2	2								2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-23)	
Course/Sub:		Electromagnetic Fields		Year/Semester:		II-I	
		CO1	CO2	CO3	CO4		
		Q1	Q2	Q3	Q4	Objective	Assignment
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	5	5			9	5
2	21Q61A0202		5	4		10	5
3	21Q61A0203		4	4		10	5
4	21Q61A0204	5	4			9	5
5	21Q61A0205		5	5		9	5
6	21Q61A0206	4	3			10	5
7	21Q61A0207		4	4		7	5
8	21Q61A0208			5	5	9	5
9	21Q61A0209		4		3	10	5
10	21Q61A0210	4		5		8	5
11	21Q61A0211	4	5			8	5
12	21Q61A0212			2	3	8	5
13	21Q61A0213		4		4	8	5
14	21Q61A0214		4	4		7	5
15	22Q65A0201	5		4		10	5
16	22Q65A0202	4	4			8	5
17	22Q65A0203	5			5	10	5
18	22Q65A0204		4		3	8	5
19	22Q65A0205		4	4		10	5
20	22Q65A0206	4	5			10	5
21	22Q65A0207	5	5			8	5
22	22Q65A0208		5		4	9	5
23	22Q65A0209	5		5		9	5
24	22Q65A0210	4			4	7	5
25	22Q65A0211		4		4	9	5
26	22Q65A0212	5		4		10	5
27	22Q65A0213		4		4	9	5
28	22Q65A0214	5			5	9	5
No. of students attempted		14	19	12	11	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		14	19	11	11	28	28
% of Students > 50%		100	100	91.67	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II (2022-23)	
Course/Sub:		Electromagnetic Fields		Year/Semester:		II-I	
		CO1	CO2	CO3	CO4		
		Q1	Q2	Q3	Q4	Objective	Assignment
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201			5	4	10	5
2	21Q61A0202	5			5	9	5
3	21Q61A0203		5	4		9	5
4	21Q61A0204	4			4	10	5
5	21Q61A0205		5		4	10	5
6	21Q61A0206	4		4		9	5
7	21Q61A0207		4		3	8	5
8	21Q61A0208	5		4		10	5
9	21Q61A0209		5	5		7	5
10	21Q61A0210		4	3		10	5
11	21Q61A0211	5			5	7	5
12	21Q61A0212			4	3	6	5
13	21Q61A0213		5	5		7	5
14	21Q61A0214	2	3			10	5
15	22Q65A0201		5	5		9	5
16	22Q65A0202	5			5	6	5
17	22Q65A0203	5			5	10	5
18	22Q65A0204		4	3		8	5
19	22Q65A0205	5			5	8	5
20	22Q65A0206	5			5	9	5
21	22Q65A0207		5	4		9	5
22	22Q65A0208		5	5		8	5
23	22Q65A0209	5			4	10	5
24	22Q65A0210	4			5	6	5
25	22Q65A0211	4		3		10	5
26	22Q65A0212	5		5		9	5
27	22Q65A0213	5			2	10	5
28	22Q65A0214		5		4	10	5
No. of students attempted		15	12	14	15	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		14	12	14	14	28	28
% of Students > 50%		93.34	100	100	93.34	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING	
Course Outcome Attainment External Examination			
Branch & Section:	EEE -2022-23	Exam:	EXTERNAL
Course:	Electromagnetic Fields	Year/Semester:	II-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)	
1	21Q61A0201	26	
2	21Q61A0202	26	
3	21Q61A0203	26	
4	21Q61A0204	32	
5	21Q61A0205	29	
6	21Q61A0206	26	
7	21Q61A0207	29	
8	21Q61A0208	29	
9	21Q61A0209	7	
10	21Q61A0210	30	
11	21Q61A0211	26	
12	21Q61A0212	11	
13	21Q61A0213	16	
14	21Q61A0214	31	
15	22Q65A0201	15	
16	22Q65A0202	32	
17	22Q65A0203	60	
18	22Q65A0204	29	
19	22Q65A0205	57	
20	22Q65A0206	33	
21	22Q65A0207	26	
22	22Q65A0208	34	
23	22Q65A0209	26	
24	22Q65A0210	10	
25	22Q65A0211	29	
26	22Q65A0212	30	
27	22Q65A0213	8	
28	22Q65A0214	26	
No. of students who attempted the subject		28	
Max. Marks		75	
No. of students secured > 26 marks		18	
Percentage of students secured > 26 marks		64.3	
Overall External Attainment level		2	

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	EMF	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	2								2	2	2
CO2	3	2	2	2								2		
CO3	3	2	2									2	2	2
CO4	3	2	2	2								2	2	2
CO5	3	2	2	2								2	2	
CO avg(M)	3	2	2	2								2	2	2

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Analog Electronics		Year/Semester:		II-I	
Sl.No	Roll Number	Question No.				Objective	Assignment
		CO1	CO2		CO3		
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		5	5		9	5
2	21Q61A0202	5		4		10	5
3	21Q61A0203	5		5		10	5
4	21Q61A0204	5	5			9	5
5	21Q61A0205	4			4	8	5
6	21Q61A0206		4	4		9	5
7	21Q61A0207	3	3			6	5
8	21Q61A0208	5	4			8	5
9	21Q61A0209		5	4		9	5
10	21Q61A0210		4	3		9	5
11	21Q61A0211	5			4	9	5
12	21Q61A0212		3		2	4	5
13	21Q61A0213	5		4		8	5
14	21Q61A0214			1	1	3	5
15	22Q65A0201		3		3	8	5
16	22Q65A0202	5		5		9	5
17	22Q65A0203		5	5		10	5
18	22Q65A0204	5	4			10	5
19	22Q65A0205		5		5	10	5
20	22Q65A0206	3	4			9	5
21	22Q65A0207		5	4		10	5
22	22Q65A0208	5			5	9	5
23	22Q65A0209			5	5	10	5
24	22Q65A0210		3	4		9	5
25	22Q65A0211	5	4			10	5
26	22Q65A0212		4		4	10	5
27	22Q65A0213	5	4			10	5
28	22Q65A0214	5		5		9	5
No. of students attempted		15	18	14	9	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		15	18	13	7	26	28
% of Students > 50%		100	100	92.86	77.78	92.86	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Analog Electronics		Year/Semister:		II-I	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	5		4		10	5
2	21Q61A0202		5	5		9	5
3	21Q61A0203			5	5	10	5
4	21Q61A0204	4	5			10	5
5	21Q61A0205	3	4			9	5
6	21Q61A0206		5	4		8	5
7	21Q61A0207			3	2	7	5
8	21Q61A0208		4		4	9	5
9	21Q61A0209	4		4		10	5
10	21Q61A0210		4	4		8	5
11	21Q61A0211	4	4			10	5
12	21Q61A0212		2	2		5	5
13	21Q61A0213			3	4	10	5
14	21Q61A0214		1	1		3	5
15	22Q65A0201		3		4	7	5
16	22Q65A0202		4		5	10	5
17	22Q65A0203	5	5			10	5
18	22Q65A0204	5	4			10	5
19	22Q65A0205			5	5	10	5
20	22Q65A0206		4		4	8	5
21	22Q65A0207			5	5	9	5
22	22Q65A0208	5			4	10	5
23	22Q65A0209		5	5		10	5
24	22Q65A0210		4	4		8	5
25	22Q65A0211			5	5	9	5
26	22Q65A0212	5	4			9	5
27	22Q65A0213		5	5		9	5
28	22Q65A0214	4	5			10	5
No. of students attempted		10	19	16	11	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		10	17	14	10	27	28
% of Students > 50%		100	89.48	87.5	90.91	96.43	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Analog Electronics	Year/Semester:	II-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	36
2	21Q61A0202	33
3	21Q61A0203	36
4	21Q61A0204	26
5	21Q61A0205	17
6	21Q61A0206	26
7	21Q61A0207	29
8	21Q61A0208	36
9	21Q61A0209	26
10	21Q61A0210	26
11	21Q61A0211	26
12	21Q61A0212	30
13	21Q61A0213	29
14	21Q61A0214	29
15	22Q65A0201	26
16	22Q65A0202	26
17	22Q65A0203	42
18	22Q65A0204	29
19	22Q65A0205	31
20	22Q65A0206	26
21	22Q65A0207	26
22	22Q65A0208	26
23	22Q65A0209	37
24	22Q65A0210	29
25	22Q65A0211	29
26	22Q65A0212	15
27	22Q65A0213	26
28	22Q65A0214	35
No. of students who attempted the subject		28
Max. Marks		75
No. of students secured > 26 marks		18
Percentage of students secured > 26 marks		64.3
Overall External Attainment level		2

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	Analog Electronics	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	Understand the modeling of linear-time-invariant systems using transfer function and
CO2	Understand the concept of stability and its assessment for linear-time invariant systems.
CO3	Formulate different types of analysis in frequency domain to explain the nature of stability of the system
CO4	Design simple feedback controllers.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	1	2	2								2	2	2
CO2	3	2	2	2								2	2	2
CO3	2	3	2	2								2	2	2
CO4	2	2	2	2									2	2
CO5	3	3	2	2								2	2	2
CO avg(M)	2.6	2.2	2	2								2	2	2

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Engineering Mechanics		Year/Semester:		II-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201			3	3	7	5
2	21Q61A0202	4	5			7	5
3	21Q61A0203		3	3		6	5
4	21Q61A0204	2	3			5	5
5	21Q61A0205		3	4		8	5
6	21Q61A0206	4		3		6	5
7	21Q61A0207		2		1	6	5
8	21Q61A0208	3		3		5	5
9	21Q61A0209		4		3	6	5
10	21Q61A0210			4	4	5	5
11	21Q61A0211	3	3			6	5
12	21Q61A0212			2	2	5	5
13	21Q61A0213		3	3		7	5
14	21Q61A0214	4	3			4	5
15	22Q65A0201			4	3	8	5
16	22Q65A0202		4		3	7	5
17	22Q65A0203	5		4		8	5
18	22Q65A0204		5		4	8	5
19	22Q65A0205			3	4	10	5
20	22Q65A0206	4	4			6	5
21	22Q65A0207	4		3		9	5
22	22Q65A0208		4		4	8	5
23	22Q65A0209	4		4		9	5
24	22Q65A0210	3	3			7	5
25	22Q65A0211		2	3		8	5
26	22Q65A0212			3	3	10	5
27	22Q65A0213	3	3			4	5
28	22Q65A0214		4		3	7	5
No. of students attempted		12	17	15	12	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		11	15	14	10	26	28
% of Students > 50%		91.67	88.24	93.34	83.34	92.86	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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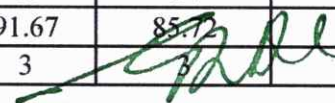
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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Engineering Mechanics		Year/Semester:		II-I	
Sl.No	Roll Number	CO3	CO4	CO4	CO5	Objective	Assignment
		Question No.					
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		4		4	5	5
2	21Q61A0202		4	4		8	5
3	21Q61A0203	4	4			4	5
4	21Q61A0204		3		3	4	5
5	21Q61A0205			3	3	8	5
6	21Q61A0206		2		3	8	5
7	21Q61A0207	2		2		5	5
8	21Q61A0208		4	3		4	5
9	21Q61A0209		2		3	8	5
10	21Q61A0210		3	3		7	5
11	21Q61A0211		4		3	5	5
12	21Q61A0212			3	3	3	5
13	21Q61A0213		2		2	9	5
14	21Q61A0214	3		3		5	5
15	22Q65A0201	5		5		5	5
16	22Q65A0202		5	4		5	5
17	22Q65A0203			4	3	10	5
18	22Q65A0204	4	4			9	5
19	22Q65A0205		5	5		7	5
20	22Q65A0206	4			4	7	5
21	22Q65A0207		3		3	10	5
22	22Q65A0208	5		5		6	5
23	22Q65A0209	4	5			8	5
24	22Q65A0210			4	4	5	5
25	22Q65A0211	3		4		6	5
26	22Q65A0212	4	4			8	5
27	22Q65A0213	3	2			5	5
28	22Q65A0214	4		4		10	5
No. of students attempted		12	17	15	12	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		11	13	14	11	24	28
% of Students > 50%		91.67	76.48	93.34	91.67	85.71	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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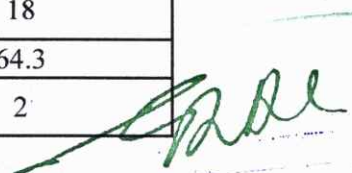
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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Engineering Mechanics	Year/Semister:	II-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	26
2	21Q61A0202	26
3	21Q61A0203	26
4	21Q61A0204	6
5	21Q61A0205	29
6	21Q61A0206	26
7	21Q61A0207	29
8	21Q61A0208	29
9	21Q61A0209	26
10	21Q61A0210	30
11	21Q61A0211	26
12	21Q61A0212	29
13	21Q61A0213	16
14	21Q61A0214	29
15	22Q65A0201	29
16	22Q65A0202	29
17	22Q65A0203	60
18	22Q65A0204	29
19	22Q65A0205	57
20	22Q65A0206	28
21	22Q65A0207	26
22	22Q65A0208	26
23	22Q65A0209	26
24	22Q65A0210	27
25	22Q65A0211	29
26	22Q65A0212	30
27	22Q65A0213	28
28	22Q65A0214	26

No. of students who attempted the subject	28
Max. Marks	75
No. of students secured > 26 marks	18
Percentage of students secured > 26 marks	64.3
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	EM	Semister:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	Students will understand the concepts of engineering mechanics													
CO2	Students will gain knowledge regarding center of gravity and moment of inertia and apply them for practical problems.													
CO3	To analyze time varying electric and magnetic fields.													
CO4	Students will gain knowledge regarding various types of forces and reactions and to draw free body diagram to quicker solutions for complicated problems													
CO5	Student will gain knowledge in solving problems involving work and energy													
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2		2	2							2	1	
CO2	2	2	2										2	2
CO3	2	2			3							2	2	2
CO4	2			2										2
CO5	2	2	2	2	3								2	
CO avg(M)	2	2	2	2	3							2	1.75	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Name of the Faculty:		EEE		Academic Year:		2022-23	
Branch & Section:		B.TECH-EM-I		Exam:		MID - I	
Course/Sub:		CO1		CO2		CO3	
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	4		3		7	5
2	21Q61A0202	5	4			9	5
3	21Q61A0203		4	4		10	5
4	21Q61A0204			4	4	8	5
5	21Q61A0205	5		5		8	5
6	21Q61A0206	4		3		10	5
7	21Q61A0207			3	3	6	5
8	21Q61A0208		4	4		8	5
9	21Q61A0209		2	3		8	5
10	21Q61A0210	4	5			8	5
11	21Q61A0211		4		4	8	5
12	21Q61A0212	2		2		8	5
13	21Q61A0213	4		3		8	5
14	21Q61A0214	4	3			7	5
15	22Q65A0201	4			4	10	5
16	22Q65A0202		4		4	8	5
17	22Q65A0203	5			5	9	5
18	22Q65A0204		5		4	8	5
19	22Q65A0205		4		4	10	5
20	22Q65A0206	5		4		9	5
21	22Q65A0207	3			3	10	5
22	22Q65A0208		4		4	8	5
23	22Q65A0209	5			5	9	5
24	22Q65A0210		4		3	7	5
25	22Q65A0211	4	4			9	5
26	22Q65A0212	5	4			10	5
27	22Q65A0213		4		4	8	5
28	22Q65A0214		5		5	8	5
No. of students attempted		15	16	11	14	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		14	15	10	14	28	28
% of Students > 50%		93.34	93.75	90.91	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Name of the Faculty:		EEE		Academic Year:		2022-23	
Branch & Section:		B.TECH-EM-I		Exam:		MID - II	
Course/Sub:		CO3		CO4		CO5	
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		4	4		6	5
2	21Q61A0202	5		5		8	5
3	21Q61A0203	5			4	9	5
4	21Q61A0204		4		5	7	5
5	21Q61A0205		5	4		9	5
6	21Q61A0206	4			4	9	5
7	21Q61A0207		4		3	5	5
8	21Q61A0208	5		4		7	5
9	21Q61A0209	3		3		7	5
10	21Q61A0210	5			5	7	5
11	21Q61A0211		3		3	10	5
12	21Q61A0212			3	3	6	5
13	21Q61A0213	5			5	5	5
14	21Q61A0214	4		4		6	5
15	22Q65A0201	4		5		9	5
16	22Q65A0202		5		5	6	5
17	22Q65A0203			5	4	10	5
18	22Q65A0204	4		4		9	5
19	22Q65A0205	5	5			8	5
20	22Q65A0206			5	3	10	5
21	22Q65A0207		4		5	7	5
22	22Q65A0208		5		5	6	5
23	22Q65A0209	4			5	10	5
24	22Q65A0210		5	4		5	5
25	22Q65A0211		4		3	10	5
26	22Q65A0212	5	5			9	5
27	22Q65A0213	3		3		10	5
28	22Q65A0214		5	5		8	5
No. of students attempted		14	13	14	15	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		14	13	14	15	28	28
% of Students > 50%		100	100	100	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table		Attainment table	
50-60%	1	50-60%	1
60-70%	2	60-70%	2
70-80%	3	70-80%	3

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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	B.TECH-EM-I	Year/Semester:	II-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	14
2	21Q61A0202	36
3	21Q61A0203	35
4	21Q61A0204	26
5	21Q61A0205	36
6	21Q61A0206	36
7	21Q61A0207	8
8	21Q61A0208	32
9	21Q61A0209	27
10	21Q61A0210	42
11	21Q61A0211	28
12	21Q61A0212	26
13	21Q61A0213	28
14	21Q61A0214	15
15	22Q65A0201	32
16	22Q65A0202	26
17	22Q65A0203	52
18	22Q65A0204	33
19	22Q65A0205	41
20	22Q65A0206	26
21	22Q65A0207	36
22	22Q65A0208	26
23	22Q65A0209	47
24	22Q65A0210	26
25	22Q65A0211	30
26	22Q65A0212	46
27	22Q65A0213	27
28	22Q65A0214	41

No. of students who attempted the subject	28
Max. Marks	75
No. of students secured > 26 marks	25
Percentage of students secured > 26 marks	89.3
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	EM-I	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	At the end of this course, students will demonstrate the ability to
CO2	Identify different parts of a DC machine & understand its operation
CO3	Carry out different testing methods to predetermine the efficiency of DC machines
CO4	Understand different excitation and starting methods of DC machines
CO5	Control the voltage and speed of a DC machines

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	2								2	2	2	1
CO2	2	2	2	2								2	1	1
CO3	2	2	1	2								1	1	
CO4	2	3	2	3									1	1
CO5	2	3	1	3								2		
CO avg(M)	2	2.6	1.6	2.5								2	1.5	1


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Power systems-I		Year/Semester:		II-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	4		3		7	5
2	21Q61A0202	5	4			9	5
3	21Q61A0203		4	4		10	5
4	21Q61A0204			4	4	8	5
5	21Q61A0205	5		5		8	5
6	21Q61A0206	4		3		10	5
7	21Q61A0207			3	3	6	5
8	21Q61A0208		4	4		8	5
9	21Q61A0209		2	3		8	5
10	21Q61A0210	4	5			8	5
11	21Q61A0211		4		4	8	5
12	21Q61A0212	2		2		8	5
13	21Q61A0213	4		3		8	5
14	21Q61A0214	4	3			7	5
15	22Q65A0201	4			4	10	5
16	22Q65A0202		4		4	8	5
17	22Q65A0203	5			5	9	5
18	22Q65A0204		5		4	8	5
19	22Q65A0205		4		4	10	5
20	22Q65A0206		5	4		9	5
21	22Q65A0207			3	3	10	5
22	22Q65A0208		4		4	8	5
23	22Q65A0209	5			5	9	5
24	22Q65A0210			4	3	7	5
25	22Q65A0211	4	4			9	5
26	22Q65A0212	5	4			10	5
27	22Q65A0213		4		4	8	5
28	22Q65A0214		5		5	8	5

No. of students attempted	13	16	13	14	28	28
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	12	15	12	14	28	28
% of Students > 50%	92.31	93.75	92.31	100	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department: ELECTRICAL AND ELECTRONICS ENGINEERING

Course Outcome Attainment - Internal Assessments

Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Power systems-I		Year/Semester:		II-II	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		4	4		6	5
2	21Q61A0202	5		5		8	5
3	21Q61A0203	5			4	9	5
4	21Q61A0204		4		5	7	5
5	21Q61A0205		5	4		9	5
6	21Q61A0206	4			4	9	5
7	21Q61A0207		4		3	5	5
8	21Q61A0208		5	4		7	5
9	21Q61A0209		3	3		7	5
10	21Q61A0210	5			5	7	5
11	21Q61A0211		3		3	10	5
12	21Q61A0212			3	3	6	5
13	21Q61A0213	5			5	5	5
14	21Q61A0214		4	4		6	5
15	22Q65A0201	4		5		9	5
16	22Q65A0202		5		5	6	5
17	22Q65A0203			5	4	10	5
18	22Q65A0204		4	4		9	5
19	22Q65A0205	5	5			8	5
20	22Q65A0206			5	3	10	5
21	22Q65A0207		4		5	7	5
22	22Q65A0208		5		5	6	5
23	22Q65A0209	4			5	10	5
24	22Q65A0210		5	4		5	5
25	22Q65A0211		4		3	10	5
26	22Q65A0212	5	5			9	5
27	22Q65A0213	3		3		10	5
28	22Q65A0214		5	5		8	5
No. of students attempted		10	17	14	15	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		10	17	14	15	28	28
% of Students > 50%		100	100	100	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Power systems-I	Year/Semester:	II-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	29
2	21Q61A0202	26
3	21Q61A0203	35
4	21Q61A0204	26
5	21Q61A0205	29
6	21Q61A0206	26
7	21Q61A0207	32
8	21Q61A0208	35
9	21Q61A0209	33
10	21Q61A0210	26
11	21Q61A0211	12
12	21Q61A0212	39
13	21Q61A0213	17
14	21Q61A0214	14
15	22Q65A0201	27
16	22Q65A0202	26
17	22Q65A0203	34
18	22Q65A0204	16
19	22Q65A0205	13
20	22Q65A0206	32
21	22Q65A0207	26
22	22Q65A0208	33
23	22Q65A0209	27
24	22Q65A0210	33
25	22Q65A0211	26
26	22Q65A0212	26
27	22Q65A0213	16
28	22Q65A0214	26
No. of students who attempted the subject		28
Max. Marks		75
No. of students secured > 26 marks		22
Percentage of students secured > 26 marks		78.6
Overall External Attainment level		3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	Power systems-I	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25 \cdot \text{INT} + 0.75 \cdot \text{EXT}$


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COURSE OUTCOMES

CO1	Understand the concepts of power systems.
CO2	Understand the operation of conventional generating stations and renewable sources of electrical power.
CO3	Evaluate the power tariff methods.
CO4	Determine the electrical circuit parameters of transmission lines
CO5	Understand the layout of substation and underground cables and corona.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	2								2	2	2
CO2	3	3	3	2								2	2	2
CO3	3	3	3	2								2	2	2
CO4	3	3	3	2								2	2	2
CO5	3	3	3	2								2	2	2
CO avg(M)	3	3	3	2								2	2	2

(Handwritten Signature)

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Linear Variables & Complex Variables		Year/Semester:		II-II	
		CO1	CO2	CO3	CO4		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	4		3		7	5
2	21Q61A0202	5	4			9	5
3	21Q61A0203		4	4		10	5
4	21Q61A0204			4	4	8	5
5	21Q61A0205	5		5		8	5
6	21Q61A0206	4		3		10	5
7	21Q61A0207			3	3	6	5
8	21Q61A0208		4	4		8	5
9	21Q61A0209		2	3		8	5
10	21Q61A0210	4	5			8	5
11	21Q61A0211		4		4	8	5
12	21Q61A0212	2		2		8	5
13	21Q61A0213	4		3		8	5
14	21Q61A0214	4	3			7	5
15	22Q65A0201	4			4	10	5
16	22Q65A0202		4		4	8	5
17	22Q65A0203	5			5	9	5
18	22Q65A0204		5		4	8	5
19	22Q65A0205		4		4	10	5
20	22Q65A0206		5	4		9	5
21	22Q65A0207			3	3	10	5
22	22Q65A0208		4		4	8	5
23	22Q65A0209	5			5	9	5
24	22Q65A0210			4	3	7	5
25	22Q65A0211	4	4			9	5
26	22Q65A0212	5	4			10	5
27	22Q65A0213		4		4	8	5
28	22Q65A0214		5		5	8	5

No. of students attempted	13	16	13	14	28	28
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	12	15	12	14	28	28
% of Students > 50%	92.31	93.75	92.31	100	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department: ELECTRICAL AND ELECTRONICS ENGINEERING

Course Outcome Attainment - Internal Assessments

Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Linear Variables & Complex Variables		Year/Semester:		II-II	
		CO3	CO4	CO4	CO5		
SL.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		4	4		6	5
2	21Q61A0202	5		5		8	5
3	21Q61A0203	5			4	9	5
4	21Q61A0204		4		5	7	5
5	21Q61A0205		5	4		9	5
6	21Q61A0206	4			4	9	5
7	21Q61A0207		4		3	5	5
8	21Q61A0208		5	4		7	5
9	21Q61A0209		3	3		7	5
10	21Q61A0210	5			5	7	5
11	21Q61A0211		3		3	10	5
12	21Q61A0212			3	3	6	5
13	21Q61A0213	5			5	5	5
14	21Q61A0214		4	4		6	5
15	22Q65A0201	4		5		9	5
16	22Q65A0202		5		5	6	5
17	22Q65A0203			5	4	10	5
18	22Q65A0204		4	4		9	5
19	22Q65A0205	5	5			8	5
20	22Q65A0206			5	3	10	5
21	22Q65A0207		4		5	7	5
22	22Q65A0208		5		5	6	5
23	22Q65A0209	4			5	10	5
24	22Q65A0210		5	4		5	5
25	22Q65A0211		4		3	10	5
26	22Q65A0212	5	5			9	5
27	22Q65A0213	3		3		10	5
28	22Q65A0214		5	5		8	5
No. of students attempted		10	17	14	15	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		10	17	14	15	28	28
% of Students > 50%		100	100	100	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Linear Variables & Complex Variables	Year/Semester:	II-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	32
2	21Q61A0202	31
3	21Q61A0203	29
4	21Q61A0204	27
5	21Q61A0205	26
6	21Q61A0206	23
7	21Q61A0207	29
8	21Q61A0208	28
9	21Q61A0209	11
10	21Q61A0210	29
11	21Q61A0211	28
12	21Q61A0212	29
13	21Q61A0213	27
14	21Q61A0214	29
15	22Q65A0201	12
16	22Q65A0202	30
17	22Q65A0203	38
18	22Q65A0204	28
19	22Q65A0205	33
20	22Q65A0206	29
21	22Q65A0207	23
22	22Q65A0208	29
23	22Q65A0209	27
24	22Q65A0210	26
25	22Q65A0211	28
26	22Q65A0212	15
27	22Q65A0213	8
28	22Q65A0214	15

No. of students who attempted the subject	28
Max. Marks	75
No. of students secured > 26 marks	19
Percentage of students secured > 26 marks	67.9
Overall External Attainment level	2

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Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	LNCV	Semister:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Use the Laplace transforms techniques for solving ODE's
CO2	Find the root of a given equation.
CO3	. Find the numerical solutions for a given ODE's
CO4	Analyze the complex function with reference to their analyticity, integration using Cauchy's integral and residue theorems
CO5	Taylor's and Laurent's series expansions of complex function

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	2								2	2	
CO2	3	2	2	2								2	2	
CO3	2	2	2	2								2	2	
CO4	2	3	2	2								2	2	
CO5	2	2	2	2								2	2	
CO avg(M)	2.4	2.2	2	2								2	2	


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Electrical Machines-II		Year/Semister:		II-II	
		C01	C02	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	4		4		9	5
2	21Q61A0202	3	3			10	5
3	21Q61A0203		4	4		9	5
4	21Q61A0204			4	3	9	5
5	21Q61A0205	4	4			9	5
6	21Q61A0206	4		3		9	5
7	21Q61A0207			4	4	7	5
8	21Q61A0208		4	3		10	5
9	21Q61A0209		4	4		8	5
10	21Q61A0210	4	4			10	5
11	21Q61A0211			4	4	9	5
12	21Q61A0212	3		2		5	5
13	21Q61A0213	4		4		8	5
14	21Q61A0214	2	3			8	5
15	22Q65A0201	4			4	8	5
16	22Q65A0202		4		4	9	5
17	22Q65A0203	5			5	10	5
18	22Q65A0204		5		4	10	5
19	22Q65A0205		5		4	10	5
20	22Q65A0206		4	4		9	5
21	22Q65A0207			4	4	10	5
22	22Q65A0208		5		5	9	5
23	22Q65A0209	5			5	10	5
24	22Q65A0210			4	5	8	5
25	22Q65A0211	5	5			9	5
26	22Q65A0212	5	4			10	5
27	22Q65A0213		5		5	9	5
28	22Q65A0214		5		4	10	5

No. of students attempted	13	16	13	14	28	28
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	12	16	12	14	28	28
% of Students > 50%	92.31	100	92.31	100	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Electrical Machines-II		Year/Semester:		II-I	
		C03	C04	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		5	4		6	5
2	21Q61A0202	4		4		8	5
3	21Q61A0203	4			4	9	5
4	21Q61A0204		4		4	7	5
5	21Q61A0205		3	4		9	5
6	21Q61A0206	5			4	9	5
7	21Q61A0207		4		3	5	5
8	21Q61A0208		4	4		7	5
9	21Q61A0209		3	4		7	5
10	21Q61A0210	5			4	7	5
11	21Q61A0211		4		3	10	5
12	21Q61A0212			3	2	6	5
13	21Q61A0213	5		2		5	5
14	21Q61A0214		3	3		6	5
15	22Q65A0201	4		3		9	5
16	22Q65A0202		4	3		6	5
17	22Q65A0203			5	5	10	5
18	22Q65A0204		5	5		9	5
19	22Q65A0205	5	4			8	5
20	22Q65A0206			5	4	10	5
21	22Q65A0207		4		5	7	5
22	22Q65A0208		5		4	6	5
23	22Q65A0209	5			5	10	5
24	22Q65A0210		4	4		5	5
25	22Q65A0211		4		5	10	5
26	22Q65A0212	5	5			9	5
27	22Q65A0213	4		5		10	5
28	22Q65A0214		5	5		8	5
No. of students attempted		10	17	16	13	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		10	17	15	12	28	28
% of Students > 50%		100	100	93.75	92.31	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Electrical Machines-II	Year/Semester:	II-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	26
2	21Q61A0202	16
3	21Q61A0203	34
4	21Q61A0204	26
5	21Q61A0205	28
6	21Q61A0206	34
7	21Q61A0207	32
8	21Q61A0208	29
9	21Q61A0209	16
10	21Q61A0210	41
11	21Q61A0211	12
12	21Q61A0212	32
13	21Q61A0213	26
14	21Q61A0214	32
15	22Q65A0201	29
16	22Q65A0202	32
17	22Q65A0203	40
18	22Q65A0204	29
19	22Q65A0205	29
20	22Q65A0206	28
21	22Q65A0207	26
22	22Q65A0208	26
23	22Q65A0209	41
24	22Q65A0210	28
25	22Q65A0211	26
26	22Q65A0212	31
27	22Q65A0213	29
28	22Q65A0214	13

No. of students who attempted the subject	28
Max. Marks	75
No. of students secured > 26 marks	22
Percentage of students secured > 26 marks	78.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	EM-II	Semester:	II-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Understand the concepts of rotating magnetic fields.
CO2	Understand the operation of ac machines.
CO3	Analyze performance characteristics of ac machines
CO4	Design state observer algorithms to facilitate state feedback control
CO5	Understand the construction and working of 3- ϕ Induction machines

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	2	2							2	2	2	2
CO2	2	2	2	2								2	2	2
CO3	2	2	3	2								1	2	2
CO4	2	3	2	3									2	2
CO5	2	3	3	3								2	2	2
CO avg(M)	2	2.6	2.5	2.5								2	2	2

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Digital Electronics		Year/Semester:		II-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	4		3		7	5
2	21Q61A0202	5	4			9	5
3	21Q61A0203		4	4		10	5
4	21Q61A0204			4	4	8	5
5	21Q61A0205	5		5		8	5
6	21Q61A0206	4		3		10	5
7	21Q61A0207			3	3	6	5
8	21Q61A0208		4	4		8	5
9	21Q61A0209		2	3		8	5
10	21Q61A0210	4	5			8	5
11	21Q61A0211		4		4	8	5
12	21Q61A0212	2		2		8	5
13	21Q61A0213	4		3		8	5
14	21Q61A0214	4	3			7	5
15	22Q65A0201	4			4	10	5
16	22Q65A0202		4		4	8	5
17	22Q65A0203	5			5	9	5
18	22Q65A0204		5		4	8	5
19	22Q65A0205		4		4	10	5
20	22Q65A0206		5	4		9	5
21	22Q65A0207			3	3	10	5
22	22Q65A0208		4		4	8	5
23	22Q65A0209	5			5	9	5
24	22Q65A0210			4	3	7	5
25	22Q65A0211	4	4			9	5
26	22Q65A0212	5	4			10	5
27	22Q65A0213		4		4	8	5
28	22Q65A0214		5		5	8	5

No. of students attempted	13	16	13	14	28	28
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	12	15	12	14	28	28
% of Students > 50%	92.31	93.75	92.31	100	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Digital Electronics		Year/Semester:		II-II	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		4	4		6	5
2	21Q61A0202	5		5		8	5
3	21Q61A0203	5			4	9	5
4	21Q61A0204		4		5	7	5
5	21Q61A0205		5	4		9	5
6	21Q61A0206	4			4	9	5
7	21Q61A0207		4		3	5	5
8	21Q61A0208		5	4		7	5
9	21Q61A0209		3	3		7	5
10	21Q61A0210	5			5	7	5
11	21Q61A0211		3		3	10	5
12	21Q61A0212			3	3	6	5
13	21Q61A0213	5			5	5	5
14	21Q61A0214		4	4		6	5
15	22Q65A0201	4		5		9	5
16	22Q65A0202		5		5	6	5
17	22Q65A0203			5	4	10	5
18	22Q65A0204		4	4		9	5
19	22Q65A0205	5	5			8	5
20	22Q65A0206			5	3	10	5
21	22Q65A0207		4		5	7	5
22	22Q65A0208		5		5	6	5
23	22Q65A0209	4			5	10	5
24	22Q65A0210		5	4		5	5
25	22Q65A0211		4		3	10	5
26	22Q65A0212	5	5			9	5
27	22Q65A0213	3		3		10	5
28	22Q65A0214		5	5		8	5
No. of students attempted		10	17	14	15	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		10	17	14	15	28	28
% of Students > 50%		100	100	100	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Digital Electronics	Year/Semester:	II-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	27
2	21Q61A0202	29
3	21Q61A0203	30
4	21Q61A0204	17
5	21Q61A0205	15
6	21Q61A0206	26
7	21Q61A0207	29
8	21Q61A0208	26
9	21Q61A0209	28
10	21Q61A0210	16
11	21Q61A0211	32
12	21Q61A0212	29
13	21Q61A0213	14
14	21Q61A0214	32
15	22Q65A0201	13
16	22Q65A0202	29
17	22Q65A0203	37
18	22Q65A0204	26
19	22Q65A0205	26
20	22Q65A0206	32
21	22Q65A0207	26
22	22Q65A0208	14
23	22Q65A0209	26
24	22Q65A0210	32
25	22Q65A0211	26
26	22Q65A0212	33
27	22Q65A0213	17
28	22Q65A0214	26

No. of students who attempted the subject	28
Max. Marks	75
No. of students secured > 26 marks	20
Percentage of students secured > 26 marks	71.4
Overall External Attainment level	3

(Handwritten Signature)

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50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	DE	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

C01	Understand working of logic families and logic gates.
C02	Design and implement Combinational and Sequential logic circuits.
C03	Understand the process of Analog to Digital conversion and Digital to Analog conversion.
C04	Be able to use PLDs to implement the given logical problem.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C01	2	2	2									2	2	2
C02	3	2	2									2	2	2
C03	3	2	3									2	2	2
C04	1	2	2									2	2	2
C05	2.25	2.5	2.5									2	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Control Systems		Year/Semester:		II-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201	4		3		7	5
2	21Q61A0202	5	4			9	5
3	21Q61A0203		4	4		10	5
4	21Q61A0204			4	4	8	5
5	21Q61A0205	5		5		8	5
6	21Q61A0206	4		3		10	5
7	21Q61A0207			3	3	6	5
8	21Q61A0208		4	4		8	5
9	21Q61A0209		2	3		8	5
10	21Q61A0210	4	5			8	5
11	21Q61A0211		4		4	8	5
12	21Q61A0212	2		2		8	5
13	21Q61A0213	4		3		8	5
14	21Q61A0214	4	3			7	5
15	22Q65A0201	4			4	10	5
16	22Q65A0202		4		4	8	5
17	22Q65A0203	5			5	9	5
18	22Q65A0204		5		4	8	5
19	22Q65A0205		4		4	10	5
20	22Q65A0206		5	4		9	5
21	22Q65A0207			3	3	10	5
22	22Q65A0208		4		4	8	5
23	22Q65A0209	5			5	9	5
24	22Q65A0210			4	3	7	5
25	22Q65A0211	4	4			9	5
26	22Q65A0212	5	4			10	5
27	22Q65A0213		4		4	8	5
28	22Q65A0214		5		5	8	5

No. of students attempted	13	16	13	14	28	28
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	12	15	12	14	28	28
% of Students > 50%	92.31	93.75	92.31	100	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Control Systems		Year/Semester:		II-I	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0201		4	4		6	5
2	21Q61A0202	5		5		8	5
3	21Q61A0203	5			4	9	5
4	21Q61A0204		4		5	7	5
5	21Q61A0205		5	4		9	5
6	21Q61A0206	4			4	9	5
7	21Q61A0207		4		3	5	5
8	21Q61A0208		5	4		7	5
9	21Q61A0209		3	3		7	5
10	21Q61A0210	5			5	7	5
11	21Q61A0211		3		3	10	5
12	21Q61A0212			3	3	6	5
13	21Q61A0213	5			5	5	5
14	21Q61A0214		4	4		6	5
15	22Q65A0201	4		5		9	5
16	22Q65A0202		5		5	6	5
17	22Q65A0203			5	4	10	5
18	22Q65A0204		4	4		9	5
19	22Q65A0205	5	5			8	5
20	22Q65A0206			5	3	10	5
21	22Q65A0207		4		5	7	5
22	22Q65A0208		5		5	6	5
23	22Q65A0209	4			5	10	5
24	22Q65A0210		5	4		5	5
25	22Q65A0211		4		3	10	5
26	22Q65A0212	5	5			9	5
27	22Q65A0213	3		3		10	5
28	22Q65A0214		5	5		8	5
No. of students attempted		10	17	14	15	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		10	17	14	15	28	28
% of Students > 50%		100	100	100	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Control Systems	Year/Semister:	II-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0201	36
2	21Q61A0202	33
3	21Q61A0203	36
4	21Q61A0204	26
5	21Q61A0205	29
6	21Q61A0206	26
7	21Q61A0207	26
8	21Q61A0208	36
9	21Q61A0209	26
10	21Q61A0210	26
11	21Q61A0211	26
12	21Q61A0212	30
13	21Q61A0213	29
14	21Q61A0214	23
15	22Q65A0201	26
16	22Q65A0202	26
17	22Q65A0203	42
18	22Q65A0204	15
19	22Q65A0205	31
20	22Q65A0206	26
21	22Q65A0207	26
22	22Q65A0208	26
23	22Q65A0209	37
24	22Q65A0210	6
25	22Q65A0211	29
26	22Q65A0212	15
27	22Q65A0213	26
28	22Q65A0214	35

No. of students who attempted the subject	28
Max. Marks	75
No. of students secured > 26 marks	25
Percentage of students secured > 26 marks	89.3
Overall External Attainment level	

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Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	Control Systems	Semester:	II-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	Understand the modeling of linear-time-invariant systems using transfer function and statespace representations.
CO2	Understand the concept of stability and its assessment for linear-time invariant systems.
CO3	Design simple feedback controllers.
CO4	Design state observer algorithms to facilitate state feedback control

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	2	2							2	2	2	2
CO2	2	2	2	2								2	2	2
CO3	2	2	2	2								1	2	2
CO4	2	3	2	3									2	2
CO5	2	3	2	3								2	2	2
CO avg(M)	2	2.6	2	2.5								2	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022 - 2023)	
Course/Sub:		Power systems-II		Year/Semister:		III-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		4	3		10	5
2	20Q61A0202	2			3	7	5
3	20Q61A0204		3	3		5	5
4	20Q61A0205		5		4	8	5
5	20Q61A0206	2	3			6	5
6	20Q61A0207	4		4		10	5
7	20Q61A0208		3		3	5	5
8	20Q61A0209	3		4		7	5
9	21Q65A0201		5		4	10	5
10	21Q65A0202		4	4		8	5
11	21Q65A0203		4	3		10	5
12	21Q65A0204			3	4	8	5
13	21Q65A0205	5		5		10	5
14	21Q65A0207	4			3	7	5
15	21Q65A0208			5	5	8	5
16	21Q65A0209	4		3		10	5
17	21Q65A0210	5			5	10	5
18	21Q65A0211		4		3	10	5
19	21Q65A0212		4	4		10	5
20	21Q65A0213	5			5	9	5
21	21Q65A0214		5		5	7	5
22	21Q65A0215		5	5		7	5
23	21Q65A0216	4	5			10	5
24	21Q65A0217		3		4	8	5
25	21Q65A0218		4		3	10	5
26	21Q65A0219		5	5		10	5
27	21Q65A0220	4		4		10	5
28	21Q65A0221		4	5		9	5
29	21Q65A0222	5			5	8	5
30	21Q65A0223			5	5	9	5
31	21Q65A0224	4	4			10	5
32	21Q65A0225	4		3		10	5
33	21Q65A0226			5	4	10	5
34	21Q65A0227		3	3		10	5
35	21Q65A0228			4		7	5
36	21Q65A0229		4		5	10	5
37	21Q65A0230	4	4			8	5
38	21Q65A0231	3		3		10	5
39	21Q65A0232		4	4		8	5

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40	21Q65A0233		5		4	10	5
41	21Q65A0235			3	4	10	5
42	21Q65A0236	3		4		8	5
43	21Q65A0237	5	5			9	5
44	21Q65A0238		4		3	10	5
45	21Q65A0239			5	5	9	5
46	21Q65A0240		3	4		7	5
47	21Q65A0242		5		5	10	5
48	21Q65A0243	5		5		10	5
49	21Q65A0244	4	3			10	5
50	21Q65A0245		5		5	10	5
No. of students attempted		20	29	27	24	50	50
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		18	29	27	24	50	50
% of Students > 50%		90	100	100	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Power systems-II		Year/Semister:		III-I	
		CO3	CO4	CO4	CO5		
SL.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201	4		4		9	5
2	20Q61A0202		2	3		6	5
3	20Q61A0204	2		2		6	5
4	20Q61A0205	4			3	10	5
5	20Q61A0206		2	2		7	5
6	20Q61A0207		5		4	9	5
7	20Q61A0208	5			4	2	5
8	20Q61A0209	3		3		8	5
9	21Q65A0201		5	5		9	5
10	21Q65A0202	5		5		6	5
11	21Q65A0203		4		4	9	5
12	21Q65A0204	5		5		6	5
13	21Q65A0205	3			3	10	5
14	21Q65A0207			3	3	8	5
15	21Q65A0208	4		5		9	5
16	21Q65A0209		4		4	9	5
17	21Q65A0210		5	5		10	5
18	21Q65A0211	4			4	9	5
19	21Q65A0212		4		5	9	5
20	21Q65A0213	4		5		10	5
21	21Q65A0214	4			4	9	5
22	21Q65A0215		5	4		8	5
23	21Q65A0216		5		5	9	5
24	21Q65A0217			3	3	9	5
25	21Q65A0218	4	4			9	5
26	21Q65A0219	5		5		10	5
27	21Q65A0220		4	5		9	5
28	21Q65A0221		5		5	8	5
29	21Q65A0222			4	5	9	5
30	21Q65A0223	4		5		10	5
31	21Q65A0224	4			5	9	5
32	21Q65A0225		4		4	9	5
33	21Q65A0226		5	5		9	5
34	21Q65A0227	4		4		8	5
35	21Q65A0228		3			8	5
36	21Q65A0229		5	5		9	5
37	21Q65A0230	3		3		10	5
38	21Q65A0231	4	4			8	5
39	21Q65A0232		3		3	10	5

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40	21Q65A0233		5		5	9	5
41	21Q65A0235		4	4		9	5
42	21Q65A0236	3		3		9	5
43	21Q65A0237	5			4	10	5
44	21Q65A0238		4		4	9	5
45	21Q65A0239		5	4		10	5
46	21Q65A0240	3		3		8	5
47	21Q65A0242	5			5	10	5
48	21Q65A0243		5		5	10	5
49	21Q65A0244		4	4		9	5
50	21Q65A0245	5		5		10	5
No. of students attempted		24	25	27	24	50	50
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		23	23	26	23	49	50
% of Students > 50%		95.84	92	96.3	95.84	98	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Branch & Section:	EEE - 2022-2023	Exam:	EXTERNAL
Course:	Power systems-II	Year/Semester:	III-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	20Q61A0201	31
2	20Q61A0202	26
3	20Q61A0204	-1
4	20Q61A0205	-1
5	20Q61A0206	27
6	20Q61A0207	38
7	20Q61A0208	29
8	20Q61A0209	36
9	21Q65A0201	35
10	21Q65A0202	41
11	21Q65A0203	31
12	21Q65A0204	26
13	21Q65A0205	35
14	21Q65A0207	29
15	21Q65A0208	39
16	21Q65A0209	30
17	21Q65A0210	44
18	21Q65A0211	31
19	21Q65A0212	44
20	21Q65A0213	43
21	21Q65A0214	26
22	21Q65A0215	31
23	21Q65A0216	33
24	21Q65A0217	29
25	21Q65A0218	33
26	21Q65A0219	31
27	21Q65A0220	37
28	21Q65A0221	39
29	21Q65A0222	43
30	21Q65A0223	36
31	21Q65A0224	27
32	21Q65A0225	37
33	21Q65A0226	47
34	21Q65A0227	27
35	21Q65A0228	19
36	21Q65A0229	37
37	21Q65A0230	26
38	21Q65A0231	6
39	21Q65A0232	26
40	21Q65A0233	39
41	21Q65A0235	42


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42	21Q65A0236	15
43	21Q65A0237	35
44	21Q65A0238	31
45	21Q65A0239	42
46	21Q65A0240	39
47	21Q65A0242	49
48	21Q65A0243	43
49	21Q65A0244	29
50	21Q65A0245	45

No. of students who attempted the subject	48
Max. Marks	75
No. of students secured > 26 marks	43
Percentage of students secured > 26 marks	89.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Overall Course Outcome Attainment			
Branch & Section:	EEE	Exam:	
Course:	Power systems-II	Semester:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Analyze transmission line performance.													
CO2	Apply load compensation techniques to control reactive power													
CO3	Understand the application of per unit quantities.													
CO4	Design over voltage protection and insulation coordination													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	2							3	2	2
CO2	2	2	2	2								2	2	2
CO3	2	2	2	2	2							2	2	2
CO4	2	2	2	3	2							3	2	2
CO avg(M)	2	2	2	2.5	2							3	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-2023)	
Course/Sub:		Measurements & Instrumentation		Year/Semester:		III-I	
		CO1	CO2	CO2	CO3		
SLNo	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201	4	4			10	5
2	20Q61A0202		4	3		7	5
3	20Q61A0204	3		3		6	5
4	20Q61A0205	4			4	8	5
5	20Q61A0206			3	3	3	5
6	20Q61A0207	5		5		10	5
7	20Q61A0208		2		2	5	5
8	20Q61A0209			4	4	10	5
9	21Q65A0201	5		5		10	5
10	21Q65A0202	4	3			8	5
11	21Q65A0203		5		4	10	5
12	21Q65A0204			3	3	5	5
13	21Q65A0205		5	5		10	5
14	21Q65A0207		2		2	4	5
15	21Q65A0208	5			5	10	5
16	21Q65A0209	4		5		10	5
17	21Q65A0210		5	5		10	5
18	21Q65A0211			5	5	10	5
19	21Q65A0212	5		5		10	5
20	21Q65A0213	5		5		9	5
21	21Q65A0214		5	5		7	5
22	21Q65A0215		5		5	8	5
23	21Q65A0216	5			5	10	5
24	21Q65A0217		5	5		7	5
25	21Q65A0218	5		5		10	5
26	21Q65A0219	5	5			10	5
27	21Q65A0220		5		5	10	5
28	21Q65A0221			5	5	10	5
29	21Q65A0222		5		5	10	5
30	21Q65A0223		5		5	10	5
31	21Q65A0224	5			5	10	5
32	21Q65A0225		5		5	10	5
33	21Q65A0226	5			5	10	5
34	21Q65A0227	4			3	10	5
35	21Q65A0228			4	3	10	5
36	21Q65A0229		3	4		8	5
37	21Q65A0230	5		5		8	5

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38	21Q65A0231	4			4	7	5
39	21Q65A0232			5	5	10	5
40	21Q65A0233	5		5		10	5
41	21Q65A0235	5	5			10	5
42	21Q65A0236		4		4	8	5
43	21Q65A0237			5	5	10	5
44	21Q65A0238	4		5		10	5
45	21Q65A0239	5	5			10	5
46	21Q65A0240		4		4	8	5
47	21Q65A0242			5	5	10	5
48	21Q65A0243	5		5		10	5
49	21Q65A0244	4			3	10	5
50	21Q65A0245			5	5	10	5
No. of students attempted		24	21	29	26	50	50
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		24	19	29	24	48	50
% of Students > 50%		100	90.48	100	92.31	96	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Measurements & Instrumentation		Year/Semister:		III-I	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		5		4	9	5
2	20Q61A0202			3	3	8	5
3	20Q61A0204	2		3		7	5
4	20Q61A0205		3		3	10	5
5	20Q61A0206	3			2	4	5
6	20Q61A0207	5		5		10	5
7	20Q61A0208	1		2		6	5
8	20Q61A0209	5			4	9	5
9	21Q65A0201		5		5	10	5
10	21Q65A0202		5	4		6	5
11	21Q65A0203	5		5		9	5
12	21Q65A0204	2			2	7	5
13	21Q65A0205			5	5	10	5
14	21Q65A0207		1	2		5	5
15	21Q65A0208		5		5	10	5
16	21Q65A0209			5	5	9	5
17	21Q65A0210	5		5		10	5
18	21Q65A0211	5	5			10	5
19	21Q65A0212			5	5	10	5
20	21Q65A0213		4		5	10	5
21	21Q65A0214		4	4		9	5
22	21Q65A0215	4		5		9	5
23	21Q65A0216	5	5			10	5
24	21Q65A0217		4		4	9	5
25	21Q65A0218			5	5	10	5
26	21Q65A0219	5		5		10	5
27	21Q65A0220	5	5			10	5
28	21Q65A0221		5		5	10	5
29	21Q65A0222			5	5	10	5
30	21Q65A0223		5	5		10	5
31	21Q65A0224		5		5	10	5
32	21Q65A0225			5	5	10	5
33	21Q65A0226		5	5		10	5
34	21Q65A0227	5				10	5
35	21Q65A0228		4			10	5
36	21Q65A0229	2		4		10	5
37	21Q65A0230	4	4			10	5

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38	21Q65A0231		3		3	9	5
39	21Q65A0232			5	5	10	5
40	21Q65A0233		5	5		10	5
41	21Q65A0235			5	5	10	5
42	21Q65A0236	3			3	10	5
43	21Q65A0237	5		5		10	5
44	21Q65A0238		5	5		9	5
45	21Q65A0239		5		5	10	5
46	21Q65A0240	3			3	10	5
47	21Q65A0242	5		5		10	5
48	21Q65A0243		5	5		10	5
49	21Q65A0244		4		4	9	5
50	21Q65A0245		5		5	10	5
No. of students attempted		20	25	27	28	50	50
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		16	24	25	26	50	50
% of Students > 50%		80	96	92.6	92.86	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:

ELECTRICAL AND ELECTRONICS ENGINEERING

Course Outcome Attainment External Examination

Course:	Measurements & Instrumentation - 2022-23	Year/Semister:	III-I
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S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	20Q61A0201	29
2	20Q61A0202	32
3	20Q61A0204	-1
4	20Q61A0205	31
5	20Q61A0206	32
6	20Q61A0207	32
7	20Q61A0208	39
8	20Q61A0209	30
9	21Q65A0201	27
10	21Q65A0202	42
11	21Q65A0203	30
12	21Q65A0204	32
13	21Q65A0205	35
14	21Q65A0207	10
15	21Q65A0208	28
16	21Q65A0209	18
17	21Q65A0210	42
18	21Q65A0211	27
19	21Q65A0212	38
20	21Q65A0213	36
21	21Q65A0214	29
22	21Q65A0215	26
23	21Q65A0216	29
24	21Q65A0217	26
25	21Q65A0218	32
26	21Q65A0219	29
27	21Q65A0220	39
28	21Q65A0221	29
29	21Q65A0222	37
30	21Q65A0223	35
31	21Q65A0224	32
32	21Q65A0225	37
33	21Q65A0226	44
34	21Q65A0227	31
35	21Q65A0228	26
36	21Q65A0229	19
37	21Q65A0230	26
38	21Q65A0231	13
39	21Q65A0232	17
40	21Q65A0233	34
41	21Q65A0235	38
42	21Q65A0236	11


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43	21Q65A0237	37
44	21Q65A0238	34
45	21Q65A0239	38
46	21Q65A0240	36
47	21Q65A0242	38
48	21Q65A0243	36
49	21Q65A0244	26
50	21Q65A0245	44

No. of students who attempted the subject	49
Max. Marks	75
No. of students secured > 26 marks	39
Percentage of students secured > 26 marks	79.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment			
Branch & Section:	EEE	Exam:	
Course:	Measurements & Instrumentation	Semister:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	Understand different types of measuring instruments, their construction, operation and characteristics
CO2	Identify the instruments suitable for typical measurements
CO3	Apply the knowledge about transducers and instrument transformers to use them effectively.
CO4	Apply the knowledge of smart and digital metering for industrial applications

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2				2						2	1	2
CO2	2		2			2	2					2	2	2
CO3	2	2	2			2	1					2	2	2
CO4	2	2				2	2					2	2	2
CO avg(M)	2	2.5	2			2	1					2	1.75	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-23)	
Course/Sub:		Power Electronics		Year/Semister:		III-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201	3		3		10	5
2	20Q61A0202		4		3	4	5
3	20Q61A0204	3		3		4	5
4	20Q61A0205	4	4			8	5
5	20Q61A0206		2		2	7	5
6	20Q61A0207		5		5	8	5
7	20Q61A0208		3	3		4	5
8	20Q61A0209	3		4		8	5
9	21Q65A0201	4	4			10	5
10	21Q65A0202		3		3	7	5
11	21Q65A0203			4	3	8	5
12	21Q65A0204		5	5		6	5
13	21Q65A0205		5		4	10	5
14	21Q65A0207	3			2	8	5
15	21Q65A0208	5		5		9	5
16	21Q65A0209		4	4		10	5
17	21Q65A0210	5	5			8	5
18	21Q65A0211	4		3		8	5
19	21Q65A0212			4	4	8	5
20	21Q65A0213		4		4	10	5
21	21Q65A0214		3	3		6	5
22	21Q65A0215	4		3		7	5
23	21Q65A0216	5	5			8	5
24	21Q65A0217		2		3	8	5
25	21Q65A0218			4	4	8	5
26	21Q65A0219		5	5		9	5
27	21Q65A0220	5	5			8	5
28	21Q65A0221	4			3	8	5
29	21Q65A0222			5	5	7	5
30	21Q65A0223		5	5		10	5
31	21Q65A0224		4	4		8	5
32	21Q65A0225			3	3	7	5
33	21Q65A0226			4	4	8	5
34	21Q65A0227	4		3		8	5
35	21Q65A0228	2	3			5	5
36	21Q65A0229		5		5	5	5
37	21Q65A0230		4		3	6	5
38	21Q65A0231	2		3		8	5
39	21Q65A0232		4	4		5	5


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40	21Q65A0233		3		3	10	5
41	21Q65A0235			4	4	8	5
42	21Q65A0236	3		3		6	5
43	21Q65A0237	4	4			9	5
44	21Q65A0238		4	3		8	5
45	21Q65A0239	5		5		10	5
46	21Q65A0240	3			3	6	5
47	21Q65A0242		5		5	8	5
48	21Q65A0243	5		5		6	5
49	21Q65A0244		3		3	5	5
50	21Q65A0245			5	5	10	5
No. of students attempted		21	28	28	23	50	50
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		19	26	28	21	50	50
% of Students > 50%		90.48	92.86	100	91.31	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:

ELECTRICAL AND ELECTRONICS ENGINEERING


Course Outcome Attainment - Internal Assessments

Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Power Electronics		Year/Semester:		III-I	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		4	4		8	5
2	20Q61A0202			2	3	6	5
3	20Q61A0204		1		2	7	5
4	20Q61A0205	3	3			10	5
5	20Q61A0206	4		4		3	5
6	20Q61A0207		4	5		9	5
7	20Q61A0208		2	3		5	5
8	20Q61A0209			3	3	9	5
9	21Q65A0201		4		5	9	5
10	21Q65A0202	3	2			8	5
11	21Q65A0203	3		3		9	5
12	21Q65A0204		4		4	8	5
13	21Q65A0205			5	5	9	5
14	21Q65A0207	3		3		7	5
15	21Q65A0208	5			4	10	5
16	21Q65A0209		5	4		9	5
17	21Q65A0210	4	5			9	5
18	21Q65A0211		4		5	6	5
19	21Q65A0212			5	5	6	5
20	21Q65A0213	4		5		9	5
21	21Q65A0214	2			3	7	5
22	21Q65A0215		3		3	8	5
23	21Q65A0216		5	4		9	5
24	21Q65A0217			3	3	7	5
25	21Q65A0218		5		5	6	5
26	21Q65A0219		5		4	10	5
27	21Q65A0220	4			5	9	5
28	21Q65A0221	3		3		9	5
29	21Q65A0222		4	4		9	5
30	21Q65A0223		5		5	10	5
31	21Q65A0224	5		5		6	5
32	21Q65A0225	5	4			9	5
33	21Q65A0226			5	5	6	5
34	21Q65A0227		3	3		9	5
35	21Q65A0228	2		2		6	5
36	21Q65A0229		4	5		9	5
37	21Q65A0230			2	3	6	5
38	21Q65A0231	4			3	6	5
39	21Q65A0232	3		3		7	5

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40	21Q65A0233		4		4	8	5
41	21Q65A0235	5		5		6	5
42	21Q65A0236	4	4			4	5
43	21Q65A0237		3		4	10	5
44	21Q65A0238			4	5	6	5
45	21Q65A0239	5		5		10	5
46	21Q65A0240	4			3	5	5
47	21Q65A0242			4	5	9	5
48	21Q65A0243		4	4		8	5
49	21Q65A0244	2	2			7	5
50	21Q65A0245	5		5		10	5
No. of students attempted		22	25	29	24	50	50
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		19	21	26	23	50	50
% of Students > 50%		86.37	84	89.66	95.84	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING	
Course Outcome Attainment External Examination			
Branch & Section:	EEE - 2022-2023	Exam:	EXTERNAL
Course:	Power Electronics	Year/Semister:	III-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)	
1	20Q61A0201	31	
2	20Q61A0202	26	
3	20Q61A0204	-1	
4	20Q61A0205	-1	
5	20Q61A0206	27	
6	20Q61A0207	38	
7	20Q61A0208	4	
8	20Q61A0209	36	
9	21Q65A0201	35	
10	21Q65A0202	41	
11	21Q65A0203	31	
12	21Q65A0204	26	
13	21Q65A0205	35	
14	21Q65A0207	13	
15	21Q65A0208	39	
16	21Q65A0209	30	
17	21Q65A0210	44	
18	21Q65A0211	31	
19	21Q65A0212	44	
20	21Q65A0213	43	
21	21Q65A0214	26	
22	21Q65A0215	31	
23	21Q65A0216	33	
24	21Q65A0217	29	
25	21Q65A0218	33	
26	21Q65A0219	31	
27	21Q65A0220	37	
28	21Q65A0221	39	
29	21Q65A0222	43	
30	21Q65A0223	36	
31	21Q65A0224	27	
32	21Q65A0225	37	
33	21Q65A0226	47	
34	21Q65A0227	27	
35	21Q65A0228	19	
36	21Q65A0229	37	
37	21Q65A0230	26	
38	21Q65A0231	6	
39	21Q65A0232	26	
40	21Q65A0233	39	
41	21Q65A0235	42	

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42	21Q65A0236	15
43	21Q65A0237	35
44	21Q65A0238	31
45	21Q65A0239	42
46	21Q65A0240	39
47	21Q65A0242	49
48	21Q65A0243	43
49	21Q65A0244	29
50	21Q65A0245	45

No. of students who attempted the subject	48
Max. Marks	75
No. of students secured > 26 marks	43
Percentage of students secured > 26 marks	89.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

[Handwritten Signature]

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AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Gunthapally (V), Abdullapurmet (M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	Power Electronics	Semister:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	Understand the differences between signal level and power level devices.													
CO2	Analyze controlled rectifier circuits.													
CO3	Analyze the operation of DC-DC choppers.													
CO4	Analyze the operation of voltage source inverters.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	3	1			3					2	2	2
CO2	2	2	2	2			2					2	2	2
CO3	2	2	2	2			2					2	2	2
CO4	2	2	3	2			2					2	2	2
CO avg(M)	2	2	2.5	1.75			2.5					2	2	2

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		High Voltage Engineering		Year/Semester:		III-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201			4	3	10	5
2	20Q61A0202	4		3		6	5
3	20Q61A0204	3	3			6	5
4	20Q61A0205		4		4	8	5
5	20Q61A0206			2	2	5	5
6	20Q61A0207	5		5		9	5
7	20Q61A0208	3			3	5	5
8	20Q61A0209		4		4	8	5
9	21Q65A0201		5	4		10	5
10	21Q65A0202	5		5		7	5
11	21Q65A0203		5		5	8	5
12	21Q65A0204			5	5	5	5
13	21Q65A0205	4		5		10	5
14	21Q65A0207	2	3			8	5
15	21Q65A0208		5		5	9	5
16	21Q65A0209			4	5	10	5
17	21Q65A0210	5		5		9	5
18	21Q65A0211	5	5			7	5
19	21Q65A0212		5		5	8	5
20	21Q65A0213			4	5	10	5
21	21Q65A0214	5		5		6	5
22	21Q65A0215	5			3	8	5
23	21Q65A0216			5	5	9	5
24	21Q65A0217		4	3		7	5
25	21Q65A0218		5		5	7	5
26	21Q65A0219			5	5	9	5
27	21Q65A0220	5		5		7	5
28	21Q65A0221	5	5			8	5
29	21Q65A0222		5		5	9	5
30	21Q65A0223			5	5	9	5
31	21Q65A0224		5	5		8	5
32	21Q65A0225	5			5	8	5
33	21Q65A0226		5	4		10	5
34	21Q65A0227	4			3	10	5
35	21Q65A0228		4		3	7	5
36	21Q65A0229		5	4		10	5
37	21Q65A0230	5		5		8	5
38	21Q65A0231	2			3	8	5

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39	21Q65A0232		4		4	9	5
40	21Q65A0233		5		4	10	5
41	21Q65A0235			5	5	9	5
42	21Q65A0236	4		4		8	5
43	21Q65A0237	5	4			10	5
44	21Q65A0238		4		3	10	5
45	21Q65A0239			4	5	10	5
46	21Q65A0240	1		2		6	5
47	21Q65A0242		5		5	9	5
48	21Q65A0243			4	5	10	5
49	21Q65A0244	5		5		9	5
50	21Q65A0245	5	4			10	5
No. of students attempted		22	23	27	28	50	50
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		19	23	25	27	50	50
% of Students>50%		86.37	100	92.6	96.43	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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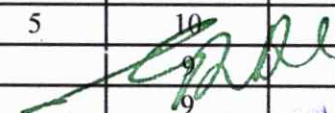
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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		High Voltage Engineering		Year/Semister:		III-I	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		4	4		9	5
2	20Q61A0202		2		3	8	5
3	20Q61A0204			3	2	7	5
4	20Q61A0205	3		3		10	5
5	20Q61A0206	3	3			3	5
6	20Q61A0207		5		4	10	5
7	20Q61A0208			2	2	7	5
8	20Q61A0209	3		3		10	5
9	21Q65A0201	5	5			9	5
10	21Q65A0202		4		4	9	5
11	21Q65A0203			4	5	9	5
12	21Q65A0204	4		3		8	5
13	21Q65A0205	5	5			9	5
14	21Q65A0207			3	3	7	5
15	21Q65A0208		4		5	10	5
16	21Q65A0209		5	5		9	5
17	21Q65A0210	5			5	9	5
18	21Q65A0211		4		4	9	5
19	21Q65A0212	4			5	9	5
20	21Q65A0213	5		5		9	5
21	21Q65A0214	4		4		8	5
22	21Q65A0215	5			5	6	5
23	21Q65A0216		5		4	10	5
24	21Q65A0217		3	3		8	5
25	21Q65A0218	3		5		9	5
26	21Q65A0219	5			4	10	5
27	21Q65A0220			4	5	8	5
28	21Q65A0221		4	5		9	5
29	21Q65A0222		5		4	10	5
30	21Q65A0223			4	5	10	5
31	21Q65A0224	5		4		9	5
32	21Q65A0225	5	4			9	5
33	21Q65A0226		5			10	5
34	21Q65A0227	3		5		10	5
35	21Q65A0228	3		5		10	5
36	21Q65A0229		5	5		9	5
37	21Q65A0230		5		4	9	5
38	21Q65A0231		3		4	6	5


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39	21Q65A0232	5	5			7	5
40	21Q65A0233			5	5	9	5
41	21Q65A0235		4		5	10	5
42	21Q65A0236		3	3		10	5
43	21Q65A0237	5		5		9	5
44	21Q65A0238	4			4	9	5
45	21Q65A0239			5	5	9	5
46	21Q65A0240		2	2		5	5
47	21Q65A0242		5		5	9	5
48	21Q65A0243			4	5	10	5
49	21Q65A0244	5		5		9	5
50	21Q65A0245	5	4			10	5
No. of students attempted		13	13	15	15	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		13	12	14	13	27	28
% of Students>50%		100	92.31	93.34	86.67	96.43	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING	
Course Outcome Attainment External Examination			
Branch & Section:	EEE - 2022-2023	Exam:	EXTERNAL
Course:	High Voltage Engineering	Year/Semister:	III-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)	
1	20Q61A0201	40	
2	20Q61A0202	29	
3	20Q61A0204	-1	
4	20Q61A0205	26	
5	20Q61A0206	29	
6	20Q61A0207	32	
7	20Q61A0208	31	
8	20Q61A0209	28	
9	21Q65A0201	26	
10	21Q65A0202	35	
11	21Q65A0203	27	
12	21Q65A0204	27	
13	21Q65A0205	37	
14	21Q65A0207	26	
15	21Q65A0208	39	
16	21Q65A0209	27	
17	21Q65A0210	26	
18	21Q65A0211	32	
19	21Q65A0212	45	
20	21Q65A0213	40	
21	21Q65A0214	34	
22	21Q65A0215	26	
23	21Q65A0216	33	
24	21Q65A0217	26	
25	21Q65A0218	35	
26	21Q65A0219	14	
27	21Q65A0220	34	
28	21Q65A0221	30	
29	21Q65A0222	30	
30	21Q65A0223	38	
31	21Q65A0224	26	
32	21Q65A0225	26	
33	21Q65A0226	47	
34	21Q65A0227	26	
35	21Q65A0228	11	
36	21Q65A0229	28	
37	21Q65A0230	31	
38	21Q65A0231	15	
39	21Q65A0232	28	
40	21Q65A0233	34	
41	21Q65A0235	38	

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42	21Q65A0236	26
43	21Q65A0237	34
44	21Q65A0238	37
45	21Q65A0239	39
46	21Q65A0240	38
47	21Q65A0242	31
48	21Q65A0243	40
49	21Q65A0244	32
50	21Q65A0245	49

No. of students who attempted the subject	49
Max. Marks	75
No. of students secured > 26 marks	41
Percentage of students secured > 26 marks	83.7
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	High Voltage Engineering	Semester:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	Describe the principles behind generating high DC – AC and impulse voltages													
CO2	Develop equivalent circuit models of the different high voltage generators													
CO3	Perform a dynamic response analysis of high voltage measurement systems													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2			2					2	3	2	
CO2	3	1	2			2					2	3	2	
CO3	3	2	2									3	2	
CO avg(M)	3	2	2			2					2	3	2	
PO / PSO Attain	3	2	2			2					2	3	2	

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-23)	
Course/Sub:		Business Economics & Financial Analysis		Year/Semester:		III-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		5		4	10	5
2	20Q61A0202	4		3		6	5
3	20Q61A0204	3	3			6	5
4	20Q61A0205		4		3	7	5
5	20Q61A0206			3	3	7	5
6	20Q61A0207		5	5		9	5
7	20Q61A0208	3	2			5	5
8	20Q61A0209	3		3		10	5
9	21Q65A0201		4	5		10	5
10	21Q65A0202		5		5	8	5
11	21Q65A0203	4		5		10	5
12	21Q65A0204	2			3	5	5
13	21Q65A0205			4	5	10	5
14	21Q65A0207		3	2		5	5
15	21Q65A0208		5		5	9	5
16	21Q65A0209			4	5	10	5
17	21Q65A0210		5	5		9	5
18	21Q65A0211	5	5			9	5
19	21Q65A0212			4	5	10	5
20	21Q65A0213			5	5	9	5
21	21Q65A0214			5	5	6	5
22	21Q65A0215	4		4		8	5
23	21Q65A0216	5	5			9	5
24	21Q65A0217		3		3	5	5
25	21Q65A0218		5		5	9	5
26	21Q65A0219	4		5		10	5
27	21Q65A0220			5	5	9	5
28	21Q65A0221		4		5	10	5
29	21Q65A0222		5	5		9	5
30	21Q65A0223	4		5		10	5
31	21Q65A0224	4			3	10	5
32	21Q65A0225		5			10	5
33	21Q65A0226		5			10	5
34	21Q65A0227			3	4	10	5
35	21Q65A0228	3		4		8	5
36	21Q65A0229	5			4	10	5
37	21Q65A0230			5	5	9	5

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38	21Q65A0231		3	2		9	5
39	21Q65A0232	4			4	9	5
40	21Q65A0233	5		4		10	5
41	21Q65A0235		5	5		9	5
42	21Q65A0236		4	5		8	5
43	21Q65A0237			4	5	10	5
44	21Q65A0238		4	4		10	5
45	21Q65A0239	5		4		10	5
46	21Q65A0240		3	4		6	5
47	21Q65A0242	5		5		9	5
48	21Q65A0243		4	5		10	5
49	21Q65A0244		5		5	9	5
50	21Q65A0245		4		5	10	5
No. of students attempted		10	15	16	15	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		9	14	15	15	28	28
% of Students > 50%		90	93.34	93.75	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table		Attainment table	
50-60%	1	50-60%	1
60-70%	2	60-70%	2
70-80%	3	70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Business Economics & Financial Analysis		Year/Semester:		III-I	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		5		5	9	5
2	20Q61A0202			3	2	8	5
3	20Q61A0204	3		2		7	5
4	20Q61A0205	3	3			8	5
5	20Q61A0206		2		3	8	5
6	20Q61A0207			4	5	10	5
7	20Q61A0208	2		2		6	5
8	20Q61A0209	4	4			8	5
9	21Q65A0201		5		5	9	5
10	21Q65A0202			4	5	9	5
11	21Q65A0203		4	5		9	5
12	21Q65A0204		3		3	4	5
13	21Q65A0205			5	5	9	5
14	21Q65A0207	3		3		4	5
15	21Q65A0208	5	4			10	5
16	21Q65A0209		5		5	9	5
17	21Q65A0210			5	5	9	5
18	21Q65A0211	4		5		10	5
19	21Q65A0212	5	5			9	5
20	21Q65A0213		5		4	10	5
21	21Q65A0214			4	4	8	5
22	21Q65A0215	5		5		6	5
23	21Q65A0216	5	4			10	5
24	21Q65A0217		4		3	4	5
25	21Q65A0218			4	5	10	5
26	21Q65A0219		5	5		9	5
27	21Q65A0220		5		4	10	5
28	21Q65A0221			5	5	9	5
29	21Q65A0222	4		5		10	5
30	21Q65A0223		5		5	9	5
31	21Q65A0224	4		4		9	5
32	21Q65A0225		4	5		10	5
33	21Q65A0226		5	4		10	5
34	21Q65A0227			4	4	9	5
35	21Q65A0228	4	4			7	5
36	21Q65A0229	5		5		9	5
37	21Q65A0230		4	5		10	5

38	21Q65A0231		4		4	7	5
39	21Q65A0232	5	5			7	5
40	21Q65A0233	5		5		9	5
41	21Q65A0235		4	5		10	5
42	21Q65A0236		5		2	10	5
43	21Q65A0237			5	5	9	5
44	21Q65A0238	4		5		9	5
45	21Q65A0239	5	5			9	5
46	21Q65A0240			4	4	5	5
47	21Q65A0242		5		5	9	5
48	21Q65A0243		5	4		10	5
49	21Q65A0244	5		5		9	5
50	21Q65A0245	5	4			10	5
No. of students attempted		10	15	15	16	28	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		9	14	13	15	25	28
% of Students > 50%		90	93.34	86.67	93.75	89.29	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	EEE - 2022-2023		Exam:	EXTERNAL
Course:	Business Economics & Financial Analysis		Year/Semester:	III-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	20Q61A0201	26		
2	20Q61A0202	29		
3	20Q61A0204	-1		
4	20Q61A0205	26		
5	20Q61A0206	29		
6	20Q61A0207	26		
7	20Q61A0208	32		
8	20Q61A0209	29		
9	21Q65A0201	28		
10	21Q65A0202	26		
11	21Q65A0203	32		
12	21Q65A0204	29		
13	21Q65A0205	29		
14	21Q65A0207	26		
15	21Q65A0208	28		
16	21Q65A0209	28		
17	21Q65A0210	30		
18	21Q65A0211	26		
19	21Q65A0212	33		
20	21Q65A0213	29		
21	21Q65A0214	28		
22	21Q65A0215	26		
23	21Q65A0216	29		
24	21Q65A0217	32		
25	21Q65A0218	1		
26	21Q65A0219	26		
27	21Q65A0220	34		
28	21Q65A0221	26		
29	21Q65A0222	28		
30	21Q65A0223	31		
31	21Q65A0224	26		
32	21Q65A0225	31		
33	21Q65A0226	31		
34	21Q65A0227	26		
35	21Q65A0228	26		
36	21Q65A0229	30		
37	21Q65A0230	26		
38	21Q65A0231	29		
39	21Q65A0232	29		
40	21Q65A0233	31		
41	21Q65A0235	33		

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42	21Q65A0236	26
43	21Q65A0237	26
44	21Q65A0238	28
45	21Q65A0239	34
46	21Q65A0240	28
47	21Q65A0242	27
48	21Q65A0243	31
49	21Q65A0244	26
50	21Q65A0245	34

No. of students who attempted the subject	48
Max. Marks	75
No. of students secured > 26 marks	43
Percentage of students secured > 26 marks	89.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	BEFA	Semester:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25 \cdot \text{INT} + 0.75 \cdot \text{EXT}$


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COURSE OUTCOMES

CO1	The students will understand the various Forms of Business and the impact of economic variables on the Business.
CO2	The Demand, Supply, Production, Cost, Market Structure, Pricing aspects are learnt.
CO3	The students can study the firm's financial position by analyzing the Financial Statements of a Company.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	3	2	2							2	3	2
CO2	2	2	3	2	2							2	3	2
CO3	2	2	3	2	2							2	3	2
CO avg(M)	2	2	3	2	2							2	3	2

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-23)	
Course/Sub:		Power System Protection		Year/Semester:		III-II	
		CO1	CO2	CO2	CO3		
SLNo	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		4	4		9	5
2	20Q61A0202	4			3	5	5
3	20Q61A0204		3		2	4	5
4	20Q61A0205		2	3		7	5
5	20Q61A0206	3		4		8	5
6	20Q61A0207	5	4			8	5
7	20Q61A0208			2	3	4	5
8	20Q61A0209	4	4			9	5
9	21Q65A0201	5		5		9	5
10	21Q65A0202		4	5		9	5
11	21Q65A0203		4		4	10	5
12	21Q65A0204			4	4	8	5
13	21Q65A0205	4		5		10	5
14	21Q65A0207	2	3			4	5
15	21Q65A0208		5		4	9	5
16	21Q65A0209			4	5	9	5
17	21Q65A0210		4	5		10	5
18	21Q65A0211			4	5	8	5
19	21Q65A0212	4		4		10	5
20	21Q65A0213	5	5			9	5
21	21Q65A0214		5		4	8	5
22	21Q65A0215		4	4		8	5
23	21Q65A0216	5		5		9	5
24	21Q65A0218		4		5	8	5
25	21Q65A0219		5	5		9	5
26	21Q65A0220		4		4	10	5
27	21Q65A0221	4		5		10	5
28	21Q65A0222		4		5	9	5
29	21Q65A0223		5	4		10	5
30	21Q65A0224	4			4	9	5
31	21Q65A0225		3		5	8	5
32	21Q65A0226		5	5		9	5
33	21Q65A0227	4				8	5
34	21Q65A0228		4			6	5
35	21Q65A0229		4		5	8	5
36	21Q65A0230		4		4	7	5
37	21Q65A0231	3		3		9	5
38	21Q65A0232		5	5		8	5

39	21Q65A0233		5		4	9	5
40	21Q65A0235			5	5	9	5
41	21Q65A0236		4		5	8	5
42	21Q65A0237		5	4		9	5
43	21Q65A0238	4			4	8	5
44	21Q65A0239	5		4		9	5
45	21Q65A0240			2	3	4	5
46	21Q65A0242		5		5	9	5
47	21Q65A0243		5		4	10	5
48	21Q65A0244			3	4	8	5
49	21Q65A0245	4		5		10	5

No. of students attempted	17	29	27	25	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	16	28	25	24	49	28
% of Students > 50%	94.12	96.56	92.6	96	100	57.15
Attainment Level	3	3	3	3	3	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Power System Protection		Year/Semister:		III-II	
		CO3	C04	C04	C05		
SLNo	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		5	3		9	5
2	20Q61A0202			2	3	7	5
3	20Q61A0204		3		2	4	5
4	20Q61A0205	3		2		7	5
5	20Q61A0206	4	4			7	5
6	20Q61A0207			4	4	9	5
7	20Q61A0208		2		2	5	5
8	20Q61A0209		4	4		9	5
9	21Q65A0201		5		4	10	5
10	21Q65A0202			5	5	8	5
11	21Q65A0203		5		4	9	5
12	21Q65A0204	4		5		7	5
13	21Q65A0205	5	5			9	5
14	21Q65A0207			2	2	5	5
15	21Q65A0208		4		4	10	5
16	21Q65A0209		4	4		10	5
17	21Q65A0210	5		5		9	5
18	21Q65A0211		4		5	8	5
19	21Q65A0212			4	5	9	5
20	21Q65A0213		5		4	10	5
21	21Q65A0214		4		5	8	5
22	21Q65A0215	4		5		7	5
23	21Q65A0216		4		5	10	5
24	21Q65A0218			4	5	8	5
25	21Q65A0219		4		5	10	5
26	21Q65A0220	4		5		9	5
27	21Q65A0221		5		4	10	5
28	21Q65A0222			4	4	10	5
29	21Q65A0223		5		5	9	5
30	21Q65A0224	4		5		8	5
31	21Q65A0225		4		3	9	5
32	21Q65A0226			5	5	9	5
33	21Q65A0227	4		4		9	5
34	21Q65A0228	5				5	5
35	21Q65A0229		4			9	5
36	21Q65A0230			3	3	9	5
37	21Q65A0231		4		4	7	5
38	21Q65A0232		5	4		9	5

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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE 2022-2023	Exam:	EXTERNAL
Course:	Power System Protection	Year/Semester:	III-II


S.NO.	HALL TICKET NO	TOTAL(Max. Score Marks)
1	20Q61A0201	30
2	20Q61A0202	32
3	20Q61A0204	29
4	20Q61A0205	29
5	20Q61A0206	26
6	20Q61A0207	35
7	20Q61A0208	32
8	20Q61A0209	41
9	21Q65A0201	44
10	21Q65A0202	36
11	21Q65A0203	40
12	21Q65A0204	30
13	21Q65A0205	39
14	21Q65A0207	27
15	21Q65A0208	29
16	21Q65A0209	36
17	21Q65A0210	37
18	21Q65A0211	34
19	21Q65A0212	41
20	21Q65A0213	40
21	21Q65A0214	45
22	21Q65A0215	30
23	21Q65A0216	28
24	21Q65A0217	28
25	21Q65A0218	47
26	21Q65A0219	57
27	21Q65A0220	48
28	21Q65A0221	46
29	21Q65A0222	32
30	21Q65A0223	40
31	21Q65A0224	44
32	21Q65A0225	60
33	21Q65A0226	34
34	21Q65A0227	29
35	21Q65A0228	15
36	21Q65A0229	27
37	21Q65A0230	31
38	21Q65A0231	27
39	21Q65A0232	42
40	21Q65A0233	49
41	21Q65A0235	31


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42	21Q65A0236	51
43	21Q65A0237	37
44	21Q65A0238	34
45	21Q65A0239	35
46	21Q65A0240	55
47	21Q65A0242	55
48	21Q65A0243	29
49	21Q65A0244	55

No. of students who attempted the subject	49
Max. Marks	75
No. of students secured > 26 marks	45
Percentage of students secured > 26 marks	91.8
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	Power System Protection	Semister:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Compare and contrast electromagnetic, static and microprocessor-based relays													
CO2	Apply technology to protect power system components.													
CO3	Select relay settings of over current and distance relays.													
CO4	Analyze quenching mechanisms used in air, oil and vacuum circuit breakers.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2		2	2						2	2	
CO2	3	2	2		2	2						2	2	
CO3	3	2	2		2	2						2	2	
CO4	3	2	2		2	2						2	2	
CO avg(M)	3	2	2		2	2						2	2	


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-23)	
Course/Sub:		Power Semiconductor Drives		Year/Semester:		III-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		5	4		10	5
2	20Q61A0202			4	3	5	5
3	20Q61A0204		1		2	3	5
4	20Q61A0205		5	5		8	5
5	20Q61A0206	3		4		8	5
6	20Q61A0207	5			5	9	5
7	20Q61A0208		3		2	5	5
8	20Q61A0209		5		3	10	5
9	21Q65A0201			5	5	10	5
10	21Q65A0202	5		5		9	5
11	21Q65A0203	5	5			10	5
12	21Q65A0204		4		4	7	5
13	21Q65A0205			5	5	9	5
14	21Q65A0207		3	2		5	5
15	21Q65A0208		4		5	10	5
16	21Q65A0209			5	5	9	5
17	21Q65A0210	5	5			9	5
18	21Q65A0211	5		5		9	5
19	21Q65A0212			5	5	9	5
20	21Q65A0213		5		5	8	5
21	21Q65A0214			4	5	10	5
22	21Q65A0215	5		5		8	5
23	21Q65A0216	4			4	10	5
24	21Q65A0218			4	5	10	5
25	21Q65A0219	5		5		10	5
26	21Q65A0220	4			5	9	5
27	21Q65A0221		5		5	9	5
28	21Q65A0222		5	5		9	5
29	21Q65A0223	4			4	9	5
30	21Q65A0224		5		5	9	5
31	21Q65A0225			3	5	10	5
32	21Q65A0226	4		5		10	5
33	21Q65A0227	4			3	8	5
34	21Q65A0228		4		5	8	5
35	21Q65A0229		5		4	10	5
36	21Q65A0230			4	5	10	5
37	21Q65A0231	4		4		9	5

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38	21Q65A0232		4	5		10	5
39	21Q65A0233		5		5	10	5
40	21Q65A0235	4			5	9	5
41	21Q65A0236	5		4		10	5
42	21Q65A0237		4	5		9	5
43	21Q65A0238		5		3	10	5
44	21Q65A0239	5			5	9	5
45	21Q65A0240	2		3		3	5
46	21Q65A0242		5	5		9	5
47	21Q65A0243	5			5	9	5
48	21Q65A0244		3		5	9	5
49	21Q65A0245		5	4		10	5

No. of students attempted	19	23	26	30	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	18	22	25	28	49	49
% of Students > 50%	94.7	95.7	96.2	93.3	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department: ELECTRICAL AND ELECTRONICS ENGINEERING

Course Outcome Attainment - Internal Assessments


Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Power Semiconductor Drives		Year/Semister:		III-II	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		5	5		9	5
2	20Q61A0202		2		3	7	5
3	20Q61A0204		1		2	3	5
4	20Q61A0205	4	5			9	5
5	20Q61A0206	4		4		7	5
6	20Q61A0207	5		5		9	5
7	20Q61A0208	2			3	5	5
8	20Q61A0209		4		5	9	5
9	21Q65A0201		5	5		10	5
10	21Q65A0202	5		5		9	5
11	21Q65A0203	5			5	10	5
12	21Q65A0204		4		5	6	5
13	21Q65A0205		5	4		10	5
14	21Q65A0207	3		2		5	5
15	21Q65A0208	5			5	9	5
16	21Q65A0209		5		5	9	5
17	21Q65A0210		5		5	9	5
18	21Q65A0211			5	5	9	5
19	21Q65A0212	5		5		9	5
20	21Q65A0213	5	4			9	5
21	21Q65A0214		5		4	10	5
22	21Q65A0215			4	5	9	5
23	21Q65A0216	4		5		9	5
24	21Q65A0218	5			5	9	5
25	21Q65A0219			5	5	10	5
26	21Q65A0220		3	5		10	5
27	21Q65A0221		5		4	10	5
28	21Q65A0222	4			5	10	5
29	21Q65A0223	4		4		9	5
30	21Q65A0224			5	4	10	5
31	21Q65A0225		4		5	9	5
32	21Q65A0226		5	5		9	5
33	21Q65A0227			5	2	8	5
34	21Q65A0228	3			5	9	5
35	21Q65A0229	5		5		9	5
36	21Q65A0230		5	5		9	5
37	21Q65A0231	4			4	9	5

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38	21Q65A0232	5		5		9	5
39	21Q65A0233		5	5		10	5
40	21Q65A0235		4		4	10	5
41	21Q65A0236			5	5	9	5
42	21Q65A0237	4		4		10	5
43	21Q65A0238	4			5	9	5
44	21Q65A0239		4		5	10	5
45	21Q65A0240			2	3	5	5
46	21Q65A0242		4		5	10	5
47	21Q65A0243	4		5		10	5
48	21Q65A0244	4			4	9	5
49	21Q65A0245		5		5	9	5

No. of students attempted	22	22	25	29	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	21	20	23	27	49	49
% of Students>50%	95.46	90.91	92	93.11	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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www.aietg.ac.in email: principal.avanthi@gmail.com**Department:****ELECTRICAL AND ELECTRONICS ENGINEERING****Course Outcome Attainment External Examination**

Branch & Section:	EEE 2022-23	Exam:	EXTERNAL
Course:	Power Semiconductor Drives	Year/Semester:	III-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	20Q61A0201	27
2	20Q61A0202	27
3	20Q61A0204	-1
4	20Q61A0205	26
5	20Q61A0206	20
6	20Q61A0207	29
7	20Q61A0208	-1
8	20Q61A0209	38
9	21Q65A0201	34
10	21Q65A0202	46
11	21Q65A0203	43
12	21Q65A0204	28
13	21Q65A0205	42
14	21Q65A0207	29
15	21Q65A0208	32
16	21Q65A0209	30
17	21Q65A0210	39
18	21Q65A0211	29
19	21Q65A0212	35
20	21Q65A0213	40
21	21Q65A0214	35
22	21Q65A0215	28
23	21Q65A0216	38
24	21Q65A0217	38
25	21Q65A0218	39
26	21Q65A0219	49
27	21Q65A0220	38
28	21Q65A0221	40
29	21Q65A0222	38
30	21Q65A0223	37
31	21Q65A0224	41
32	21Q65A0225	-1
33	21Q65A0226	29
34	21Q65A0227	19
35	21Q65A0228	26
36	21Q65A0229	21
37	21Q65A0230	24
38	21Q65A0231	20
39	21Q65A0232	33
40	21Q65A0233	39
41	21Q65A0235	28


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42	21Q65A0236	48
43	21Q65A0237	39
44	21Q65A0238	41
45	21Q65A0239	41
46	21Q65A0240	51
47	21Q65A0242	41
48	21Q65A0243	14
49	21Q65A0244	49

No. of students who attempted the subject	46
Max. Marks	75
No. of students secured > 26 marks	35
Percentage of students secured > 26 marks	76.1
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	Power Semiconductor Drives	Semester:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	Able to describe the characteristics of power semiconductor devices and identify suitable switch choices for a given application.
CO2	Able to design and analyze single phase controlled rectifiers and its control circuit according to the specifications.
CO3	Able to design and analyze three phase controlled rectifiers and dual converters.
CO4	Able to design and analyze single phase and three phase inverters with reduced harmonics for practical applications

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	2							2	2	2
CO2	3	3	2	2	2							2	2	2
CO3	3	2	2	1	2							2	2	2
CO4	2	2	2	2	2							2	2	2
CO avg(M)	2.5	2.5	2	1.75	2							2	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-2023)	
Course/Sub:		Non-Conventional Energy Sources		Year/Semester:		III-II	
		CO1	C02	C02	C03		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		2	3		7	5
2	20Q61A0202	3		3		5	5
3	20Q61A0204	3			3	5	5
4	20Q61A0205		3		2	8	5
5	20Q61A0206		4		3	5	5
6	20Q61A0207	4			3	9	5
7	20Q61A0208	2		3		4	5
8	20Q61A0209			4	4	8	5
9	21Q65A0201		4		5	10	5
10	21Q65A0202	3		4		9	5
11	21Q65A0203	3		4		7	5
12	21Q65A0204		4		4	8	5
13	21Q65A0205			4	4	9	5
14	21Q65A0207	2		2		5	5
15	21Q65A0208	5			4	9	5
16	21Q65A0209		3		3	9	5
17	21Q65A0210		5	5		10	5
18	21Q65A0211	3		3		8	5
19	21Q65A0212	4			4	9	5
20	21Q65A0213		4		5	8	5
21	21Q65A0214		5	4		8	5
22	21Q65A0215	4			3	8	5
23	21Q65A0216	4	4			8	5
24	21Q65A0218		4	4		8	5
25	21Q65A0219			5	5	9	5
26	21Q65A0220		4		4	9	5
27	21Q65A0221		3	4		9	5
28	21Q65A0222	4			4	9	5
29	21Q65A0223	4	4			10	5
30	21Q65A0224		3	4		7	5
31	21Q65A0225			5	4	7	5
32	21Q65A0226	5			5	10	5
33	21Q65A0227	4	4			8	5
34	21Q65A0228		3		3	7	5
35	21Q65A0229	5			2	6	5
36	21Q65A0230	4		4		9	5
37	21Q65A0231		4		3	7	5
38	21Q65A0232	4			3	7	5

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39	21Q65A0233	4		4		8	5
40	21Q65A0235			5	5	10	5
41	21Q65A0236		3		4	8	5
42	21Q65A0237	4		3		9	5
43	21Q65A0238	4			4	7	5
44	21Q65A0239		5		5	9	5
45	21Q65A0240	3			2	4	5
46	21Q65A0242	5		5		10	5
47	21Q65A0243			4	4	9	5
48	21Q65A0244		4		4	8	5
49	21Q65A0245	5		5		10	5

No. of students attempted	25	21	23	29	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	23	20	22	26	49	49
% of Students>50%	92	95.2	95.7	89.7	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Non-Conventional Energy Sources		Year/Semister:		III-II	
		CO3	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		2		3	7	5
2	20Q61A0202	3		2		6	5
3	20Q61A0204		3		3	5	5
4	20Q61A0205			3	2	8	5
5	20Q61A0206	2			3	7	5
6	20Q61A0207		4		4	8	5
7	20Q61A0208	2		2		5	5
8	20Q61A0209	4		3		9	5
9	21Q65A0201	5		4		10	5
10	21Q65A0202	4			4	8	5
11	21Q65A0203		3		3	8	5
12	21Q65A0204	4			5	7	5
13	21Q65A0205		5	4		8	5
14	21Q65A0207		3		2	4	5
15	21Q65A0208	4		4		10	5
16	21Q65A0209		4		4	7	5
17	21Q65A0210		5		5	10	5
18	21Q65A0211	4		3		7	5
19	21Q65A0212	4		4		9	5
20	21Q65A0213		4		4	9	5
21	21Q65A0214		4		5	8	5
22	21Q65A0215	3		3		9	5
23	21Q65A0216	4		3		9	5
24	21Q65A0218	4		3		9	5
25	21Q65A0219		5		5	9	5
26	21Q65A0220		4		5	8	5
27	21Q65A0221		4	4		8	5
28	21Q65A0222	5		4		8	5
29	21Q65A0223		5	4		9	5
30	21Q65A0224			3	3	8	5
31	21Q65A0225		4		4	8	5
32	21Q65A0226	5			5	10	5
33	21Q65A0227	3		3		8	5
34	21Q65A0228	4		4		5	5
35	21Q65A0229	3			4	6	5
36	21Q65A0230		4		4	9	5
37	21Q65A0231		4		3	7	5
38	21Q65A0232	3			2	9	5

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39	21Q65A0233	4		3		9	5
40	21Q65A0235		5	5		10	5
41	21Q65A0236	4	4			7	5
42	21Q65A0237		4		4	8	5
43	21Q65A0238			4	4	7	5
44	21Q65A0239		4		5	10	5
45	21Q65A0240	2		2		5	5
46	21Q65A0242		5	5		10	5
47	21Q65A0243		5		4	8	5
48	21Q65A0244	2			5	9	5
49	21Q65A0245	5		5		10	5

No. of students attempted	24	23	24	27	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	20	22	21	24	49	49
% of Students>50%	83.3	95.7	87.5	88.9	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE - 2022-23	Exam:	EXTERNAL
Course:	Non-Conventional Energy Sources	Year/Semester:	III-II

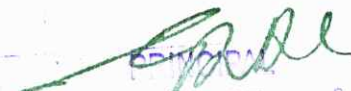
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	20Q61A0201	43
2	20Q61A0202	28
3	20Q61A0204	-1
4	20Q61A0205	41
5	20Q61A0206	33
6	20Q61A0207	43
7	20Q61A0208	-1
8	20Q61A0209	46
9	21Q65A0201	38
10	21Q65A0202	47
11	21Q65A0203	46
12	21Q65A0204	43
13	21Q65A0205	41
14	21Q65A0207	32
15	21Q65A0208	38
16	21Q65A0209	41
17	21Q65A0210	46
18	21Q65A0211	33
19	21Q65A0212	40
20	21Q65A0213	47
21	21Q65A0214	42
22	21Q65A0215	38
23	21Q65A0216	44
24	21Q65A0217	40
25	21Q65A0218	35
26	21Q65A0219	46
27	21Q65A0220	44
28	21Q65A0221	43
29	21Q65A0222	40
30	21Q65A0223	43
31	21Q65A0224	47
32	21Q65A0225	48
33	21Q65A0226	42
34	21Q65A0227	30
35	21Q65A0228	38
36	21Q65A0229	35
37	21Q65A0230	26
38	21Q65A0231	33
39	21Q65A0232	46
40	21Q65A0233	41
41	21Q65A0235	36


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42	21Q65A0236	46
43	21Q65A0237	44
44	21Q65A0238	40
45	21Q65A0239	33
46	21Q65A0240	55
47	21Q65A0242	48
48	21Q65A0243	40
49	21Q65A0244	50

No. of students who attempted the subject	47
Max. Marks	75
No. of students secured > 26 marks	47
Percentage of students secured > 26 marks	100.0
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment			
Branch & Section:	EEE	Exam:	
Course:	Non-Conventional Energy Sources	Semester:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Describe the Importance of Renewable Energy sources such as solar, wind, biomass, Ocean and tidal energy													
CO2	Compare various renewable energy sources.													
CO3	Identify applications of different renewable energy sources													
CO4	Demonstrate the schematics of renewable energy systems.													
CO5	Analyse and evaluate the implication of renewable energy. Concepts in solving numerical problems pertaining to solar radiation geometry and wind energy systems.													
CO PO MAPPING														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2		2	2						3	2	2	2
CO2	1	2	2			2					3	2		
CO3	2	2	2		2	2					3	1	2	
CO4	3	3	3	3	2						3	2		2
CO5	3	3	3	2	2	3					3	3	2	2
CO avg(M)	2.2	2.2	2.25	2	2	2.33					3	2	2	2

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-23)	
Course/Sub:		Micro Processor & Micro Controller		Year/Semester:		III-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		2	3		7	5
2	20Q61A0202	3		3		6	5
3	20Q61A0204	3			3	2	5
4	20Q61A0205		3		2	7	5
5	20Q61A0206		4		3	3	5
6	20Q61A0207	4			3	10	5
7	20Q61A0208	2		3		5	5
8	20Q61A0209			4	4	8	5
9	21Q65A0201		4		5	9	5
10	21Q65A0202	3		4		9	5
11	21Q65A0203	3		4		10	5
12	21Q65A0204		4		4	6	5
13	21Q65A0205			4	4	9	5
14	21Q65A0207	2		2		5	5
15	21Q65A0208	5			4	9	5
16	21Q65A0209		3		3	9	5
17	21Q65A0210		5	5		9	5
18	21Q65A0211	3		3		8	5
19	21Q65A0212	4			4	9	5
20	21Q65A0213		4		5	10	5
21	21Q65A0214		5	4		5	5
22	21Q65A0215	4			3	7	5
23	21Q65A0216	4	4			10	5
24	21Q65A0218		4	4		8	5
25	21Q65A0219			5	5	8	5
26	21Q65A0220		4		4	10	5
27	21Q65A0221		3	4		9	5
28	21Q65A0222	4			4	9	5
29	21Q65A0223	4	4			9	5
30	21Q65A0224		3	4		8	5
31	21Q65A0225			5	4	8	5
32	21Q65A0226	5				8	5
33	21Q65A0227	4	4			9	5
34	21Q65A0228		3		3	9	5
35	21Q65A0229	5			2	9	5
36	21Q65A0230	4		4		8	5
37	21Q65A0231		4		3	5	5
38	21Q65A0232	4			3	8	5

39	21Q65A0233	4		4		8	5
40	21Q65A0235			5	5	9	5
41	21Q65A0236		3		4	5	5
42	21Q65A0237	4		3		9	5
43	21Q65A0238	4			4	9	5
44	21Q65A0239		5		5	9	5
45	21Q65A0240	3			2	4	5
46	21Q65A0242	5		5		10	5
47	21Q65A0243			4	4	9	5
48	21Q65A0244		4		4	8	5
49	21Q65A0245	5		5		10	5

No. of students attempted	25	21	23	29	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	23	20	22	26	48	49
% of Students > 50%	92	95.2	95.7	89.7	98.0	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Micro Processor & Micro Controller		Year/Semester:		III-II	
		C03	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		2		3	8	5
2	20Q61A0202	3		2		8	5
3	20Q61A0204		3		3	3	5
4	20Q61A0205			3	2	8	5
5	20Q61A0206	2			3	3	5
6	20Q61A0207		4		4	9	5
7	20Q61A0208	2		2		5	5
8	20Q61A0209	4		3		9	5
9	21Q65A0201	5		4		10	5
10	21Q65A0202	4			4	8	5
11	21Q65A0203		3		3	9	5
12	21Q65A0204	4			5	7	5
13	21Q65A0205		5	4		10	5
14	21Q65A0207		3		2	4	5
15	21Q65A0208	4		4		10	5
16	21Q65A0209		4		4	10	5
17	21Q65A0210		5		5	9	5
18	21Q65A0211	4		3		9	5
19	21Q65A0212	4		4		7	5
20	21Q65A0213		4		4	9	5
21	21Q65A0214		4		5	7	5
22	21Q65A0215	3		3		9	5
23	21Q65A0216	4		3		9	5
24	21Q65A0218	4		3		9	5
25	21Q65A0219		5		5	9	5
26	21Q65A0220		4		5	9	5
27	21Q65A0221		4	4		10	5
28	21Q65A0222	5		4		10	5
29	21Q65A0223		5	4		9	5
30	21Q65A0224			3	3	8	5
31	21Q65A0225		4		4	8	5
32	21Q65A0226	5			5	9	5
33	21Q65A0227	3		3		8	5
34	21Q65A0228	4		4		7	5
35	21Q65A0229	3			4	9	5
36	21Q65A0230		4		4	9	5
37	21Q65A0231		4		3	8	5
38	21Q65A0232	3			2	7	5

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39	21Q65A0233	4		3		9	5
40	21Q65A0235		5	5		10	5
41	21Q65A0236	4	4			9	5
42	21Q65A0237		4		4	10	5
43	21Q65A0238			4	4	9	5
44	21Q65A0239		4		5	10	5
45	21Q65A0240	2		2		5	5
46	21Q65A0242		5	5		9	5
47	21Q65A0243		5		4	10	5
48	21Q65A0244	2			5	8	5
49	21Q65A0245	5		5		10	5
No. of students attempted		24	23	24	27	49	49
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		20	22	21	24	49	49
% of Students > 50%		83.3	95.7	87.5	88.9	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	EEE - 2022-23		Exam:	EXTERNAL
Course:	Micro Processor & Micro Controller		Year/Semester:	III-II
S.NO.	HALL TICKET NO	TOTAL(Max. Score Marks)		
1	20Q61A0201	35		
2	20Q61A0202	32		
3	20Q61A0204	39		
4	20Q61A0205	-1		
5	20Q61A0206	32		
6	20Q61A0207	26		
7	20Q61A0208	36		
8	20Q61A0209	32		
9	21Q65A0201	26		
10	21Q65A0202	38		
11	21Q65A0203	26		
12	21Q65A0204	16		
13	21Q65A0205	34		
14	21Q65A0207	39		
15	21Q65A0208	27		
16	21Q65A0209	31		
17	21Q65A0210	41		
18	21Q65A0211	27		
19	21Q65A0212	35		
20	21Q65A0213	44		
21	21Q65A0214	36		
22	21Q65A0215	32		
23	21Q65A0216	26		
24	21Q65A0217	35		
25	21Q65A0218	26		
26	21Q65A0219	39		
27	21Q65A0220	35		
28	21Q65A0221	26		
29	21Q65A0222	34		
30	21Q65A0223	29		
31	21Q65A0224	34		
32	21Q65A0225	35		
33	21Q65A0226	26		
34	21Q65A0227	17		
35	21Q65A0228	30		
36	21Q65A0229	26		
37	21Q65A0230	27		
38	21Q65A0231	26		
39	21Q65A0232	16		
40	21Q65A0233	37		
41	21Q65A0235	10		


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42	21Q65A0236	32
43	21Q65A0237	26
44	21Q65A0238	40
45	21Q65A0239	26
46	21Q65A0240	40
47	21Q65A0242	32
48	21Q65A0243	10
49	21Q65A0244	41

No. of students who attempted the subject	48
Max. Marks	75
No. of students secured > 26 marks	32
Percentage of students secured > 26 marks	66.0
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment			
Branch & Section:	EEE	Exam:	
Course:	Micro Processor & Micro Controller	Semister:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = $0.25 \cdot \text{INT} + 0.75 \cdot \text{EXT}$


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COURSE OUTCOMES

CO1	Understands the internal architecture, organization and assembly language programming of 8086 processors.													
CO2	Understands the internal architecture, organization and assembly language programming of 8051/controllers													
CO3	Understands the interfacing techniques to 8086 and 8051 based systems.													
CO4	Understands the internal architecture of ARM processors and basic concepts of advanced ARM processors.													
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	2	3	3							2	2	2
CO2	3	3	2	2	2							2	2	2
CO3	3	3	2	2	2							2	2	2
CO4	3	3	2	2	2							2	2	2

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-23)	
Course/Sub:		Power System Operation & Control		Year/Semester:		III-II	
		CO1	C02	C02	C03		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		5	4		9	5
2	20Q61A0202	3		4		6	5
3	20Q61A0204		4		3	7	5
4	20Q61A0205		3		3	8	5
5	20Q61A0206	4		3		5	5
6	20Q61A0207			5	4	8	5
7	20Q61A0208		3		2	4	5
8	20Q61A0209		4	4		7	5
9	21Q65A0201	4		5		9	5
10	21Q65A0202	4			3	6	5
11	21Q65A0203		4		4	7	5
12	21Q65A0204		4	4		7	5
13	21Q65A0205	5		5		10	5
14	21Q65A0207	2	3			4	5
15	21Q65A0208		4		5	10	5
16	21Q65A0209			4	5	9	5
17	21Q65A0210	5		5		10	5
18	21Q65A0211	4	4			8	5
19	21Q65A0212		4		4	8	5
20	21Q65A0213			5	5	9	5
21	21Q65A0214	4		5		8	5
22	21Q65A0215		5		4	8	5
23	21Q65A0216			4	4	9	5
24	21Q65A0218	4		4		8	5
25	21Q65A0219		5		5	8	5
26	21Q65A0220			4	4	7	5
27	21Q65A0221	4		4		8	5
28	21Q65A0222		4		3	9	5
29	21Q65A0223			4	5	10	5
30	21Q65A0224		4		4	7	5
31	21Q65A0225		4		3	8	5
32	21Q65A0226			4	4	7	5
33	21Q65A0227	4		5		8	5
34	21Q65A0228			3	3	9	5
35	21Q65A0229		4		5	8	5
36	21Q65A0230		4	4		8	5
37	21Q65A0231	3			4	9	5

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38	21Q65A0232	5		4		7	5
39	21Q65A0233		4	4		9	5
40	21Q65A0235		5		5	9	5
41	21Q65A0236			4	5	8	5
42	21Q65A0237	4		5		9	5
43	21Q65A0238	4	4			9	5
44	21Q65A0239			5	5	9	5
45	21Q65A0240		3		2	4	5
46	21Q65A0242		5	5		9	5
47	21Q65A0243	4		5		9	5
48	21Q65A0244	3			3	8	5
49	21Q65A0245		5		5	10	5

No. of students attempted	18	24	28	28	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	17	24	28	26	49	49
% of Students > 50%	94.5	100	100	92.9	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:

ELECTRICAL AND ELECTRONICS ENGINEERING

Course Outcome Attainment - Internal Assessments

Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Power System Operation & Control		Year/Semister:		III-II	
		CO3	CO4	CO4	CO5		
SL.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201	5		4		10	5
2	20Q61A0202			2	3	8	5
3	20Q61A0204		5		3	6	5
4	20Q61A0205	4		3		7	5
5	20Q61A0206		2		3	7	5
6	20Q61A0207	4		4		9	5
7	20Q61A0208		2		2	5	5
8	20Q61A0209			3	3	9	5
9	21Q65A0201	4		4		10	5
10	21Q65A0202	2	3			8	5
11	21Q65A0203		4		4	7	5
12	21Q65A0204			4	5	6	5
13	21Q65A0205	5		5		10	5
14	21Q65A0207	2	2			5	5
15	21Q65A0208		5		5	9	5
16	21Q65A0209			4	4	10	5
17	21Q65A0210		5	5		10	5
18	21Q65A0211		5		4	7	5
19	21Q65A0212			3	4	9	5
20	21Q65A0213	4		5		10	5
21	21Q65A0214	5	4			8	5
22	21Q65A0215		5		4	8	5
23	21Q65A0216			4	3	10	5
24	21Q65A0218		4	5		9	5
25	21Q65A0219			4	5	9	5
26	21Q65A0220	4		5		6	5
27	21Q65A0221	4	4			8	5
28	21Q65A0222		5		4	7	5
29	21Q65A0223			5	5	9	5
30	21Q65A0224	4		5		6	5
31	21Q65A0225	4			4	8	5
32	21Q65A0226		3		4	8	5
33	21Q65A0227		4	4		9	5
34	21Q65A0228			4	4	7	5
35	21Q65A0229		4		4	9	5
36	21Q65A0230		4	3		9	5
37	21Q65A0231	4		4		8	5
38	21Q65A0232		4		4	8	5

39	21Q65A0233			4	4	9	5
40	21Q65A0235	5		5		9	5
41	21Q65A0236	4	4			9	5
42	21Q65A0237		4		4	10	5
43	21Q65A0238			4	4	9	5
44	21Q65A0239		4	5		10	5
45	21Q65A0240		2		3	4	5
46	21Q65A0242			4	5	10	5
47	21Q65A0243	4		4		10	5
48	21Q65A0244	2	3			9	5
49	21Q65A0245		5		5	10	5

No. of students attempted	18	25	28	27	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	15	21	27	26	49	49
% of Students > 50%	83.3	84.0	96.4	96.3	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Branch & Section:	EEE - -2022-2023	Exam:	EXTERNAL
Course:	Power System Operation & Control	Year/Semister:	III-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	20Q61A0201	45
2	20Q61A0202	32
3	20Q61A0204	-1
4	20Q61A0205	48
5	20Q61A0206	32
6	20Q61A0207	39
7	20Q61A0208	39
8	20Q61A0209	48
9	21Q65A0201	45
10	21Q65A0202	45
11	21Q65A0203	43
12	21Q65A0204	27
13	21Q65A0205	44
14	21Q65A0207	22
15	21Q65A0208	40
16	21Q65A0209	38
17	21Q65A0210	59
18	21Q65A0211	37
19	21Q65A0212	46
20	21Q65A0213	37
21	21Q65A0214	34
22	21Q65A0215	28
23	21Q65A0216	47
24	21Q65A0217	30
25	21Q65A0218	47
26	21Q65A0219	60
27	21Q65A0220	47
28	21Q65A0221	47
29	21Q65A0222	51
30	21Q65A0223	39
31	21Q65A0224	55
32	21Q65A0225	53
33	21Q65A0226	33
34	21Q65A0227	29
35	21Q65A0228	22
36	21Q65A0229	28
37	21Q65A0230	2
38	21Q65A0231	17
39	21Q65A0232	33
40	21Q65A0233	47
41	21Q65A0235	20


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42	21Q65A0236	49
43	21Q65A0237	17
44	21Q65A0238	54
45	21Q65A0239	-1
46	21Q65A0240	62
47	21Q65A0242	40
48	21Q65A0243	31
49	21Q65A0244	58

No. of students who attempted the subject	47
Max. Marks	75
No. of students secured > 26 marks	38
Percentage of students secured > 26 marks	80.9
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Overall Course Outcome Attainment			
Branch & Section:	EEE	Exam:	
Course:	Power System Operation & Control	Semester:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	To understand real power control and operation													
CO2	To know the importance of frequency control													
CO3	To analyze different methods to control reactive power													
CO4	To understand real time control of power systems													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	2	2						2	1	2	2
CO2	3	2	2	2	2						1	2	2	
CO3	3	2	2	2	2						2	1	2	2
CO4	3	2	2	2	2						2	1	2	2
CO avg(M)	3	2	2	2	2						1.75	1.25	2	2
Attainment Level*	2.9	1.93	1.93	1.93	1.9						1.69	1.2	1.93	1.93

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Name of the Faculty:		EEE		Academic Year:		2022-23	
Branch & Section:		B.TECH-SS		Exam:		MID - I	
Course/Sub:		Year/Semester:		III-II			
		CO1	C02	C02	C03		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201	5		5		9	5
2	20Q61A0202		4	4		6	5
3	20Q61A0204		2		3	4	5
4	20Q61A0205	3			2	8	5
5	20Q61A0206	5		5		9	5
6	20Q61A0207		4	5		10	5
7	20Q61A0208	3	2			4	5
8	20Q61A0209	4		4		7	5
9	21Q65A0201			5	5	9	5
10	21Q65A0202		3		3	7	5
11	21Q65A0203	4	4			8	5
12	21Q65A0204	4		3		7	5
13	21Q65A0205			5	5	10	5
14	21Q65A0207		4		3	6	5
15	21Q65A0208		5	5		9	5
16	21Q65A0209	4		4		9	5
17	21Q65A0210	5			5	10	5
18	21Q65A0211		4		5	8	5
19	21Q65A0212	4		4		7	5
20	21Q65A0213	5			5	10	5
21	21Q65A0214		3		4	7	5
22	21Q65A0215		4	4		9	5
23	21Q65A0216	3		3		9	5
24	21Q65A0218	4			5	7	5
25	21Q65A0219		5		5	10	5
26	21Q65A0220	4		4		10	5
27	21Q65A0221	5			4	10	5
28	21Q65A0222		5	4		10	5
29	21Q65A0223	4		5		8	5
30	21Q65A0224		4		4	6	5
31	21Q65A0225			4	4	5	5
32	21Q65A0226	4		4		9	5
33	21Q65A0227	5	4			9	5
34	21Q65A0228			2	2	5	5
35	21Q65A0229		4		5	8	5
36	21Q65A0230		4	4		9	5
37	21Q65A0231	4	3			5	5
38	21Q65A0232		4		3	7	5


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39	21Q65A0233			3	3	9	5
40	21Q65A0235	4		5		9	5
41	21Q65A0236	4	3			7	5
42	21Q65A0237		5		5	10	5
43	21Q65A0238			4	5	10	5
44	21Q65A0239		4	5		10	5
45	21Q65A0240			2	3	4	5
46	21Q65A0242		4		4	9	5
47	21Q65A0243	4	5			8	5
48	21Q65A0244	4	3			9	5
49	21Q65A0245			5	5	10	5

No. of students attempted	23	25	26	24	49	49
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	23	23	24	22	49	49
% of Students > 50%	100	92	92.31	91.67	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Signals & Systems		Year/Semester:		III-II	
		CO3	C03	C04	C05		
SL.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0201		5	5		9	5
2	20Q61A0202		3		4	7	5
3	20Q61A0204	2		3		4	5
4	20Q61A0205		3		3	7	5
5	20Q61A0206		5	4		10	5
6	20Q61A0207	5		5		9	5
7	20Q61A0208	2			2	5	5
8	20Q61A0209			3	3	9	5
9	21Q65A0201		4	5		10	5
10	21Q65A0202	3			3	7	5
11	21Q65A0203		4		3	9	5
12	21Q65A0204			4	4	6	5
13	21Q65A0205	5		5		10	5
14	21Q65A0207	3	3			7	5
15	21Q65A0208		5		4	10	5
16	21Q65A0209			4	4	9	5
17	21Q65A0210	5		5		10	5
18	21Q65A0211	5	4			8	5
19	21Q65A0212		3		3	9	5
20	21Q65A0213			5	5	10	5
21	21Q65A0214	3		3		8	5
22	21Q65A0215	5			4	8	5
23	21Q65A0216		4		4	7	5
24	21Q65A0218		4	4		8	5
25	21Q65A0219	5		5		10	5
26	21Q65A0220	5	4			9	5
27	21Q65A0221		5		4	10	5
28	21Q65A0222			4	5	10	5
29	21Q65A0223	4		4		9	5
30	21Q65A0224	4	3			7	5
31	21Q65A0225		2		3	8	5
32	21Q65A0226	4		4		9	5
33	21Q65A0227	4			4	10	5
34	21Q65A0228		3		2	4	5
35	21Q65A0229		4	4		9	5
36	21Q65A0230	4			4	5	5
37	21Q65A0231		3		2	7	5
38	21Q65A0232		4	4		6	5
39	21Q65A0233	4			4	7	5

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40	21Q65A0235		4		4	10	5
41	21Q65A0236		5		4	5	5
42	21Q65A0237			5	5	10	5
43	21Q65A0238	4		5		10	5
44	21Q65A0239	4	5			10	5
45	21Q65A0240			2	3	4	5
46	21Q65A0242		4		5	8	5
47	21Q65A0243		4	5		8	5
48	21Q65A0244	4		4		8	5
49	21Q65A0245			5	5	10	5
No. of students attempted	21	25	25	27	49	49	
Max Marks Question wise	5	5	5	5	10	5	
Target 50%	2.5	2.5	2.5	2.5	5	2.5	
No. of Students above 50%	19	24	24	24	49	49	
% of Students>50%	90.5	96	96	88.9	100	100	
Attainment Level	3	3	3	3	3	3	

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE 2022-2023	Exam:	EXTERNAL
Course:	Signals & Systems	Year/Semester:	III-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	20Q61A0201	29
2	20Q61A0202	32
3	20Q61A0204	33
4	20Q61A0205	39
5	20Q61A0206	29
6	20Q61A0207	30
7	20Q61A0208	26
8	20Q61A0209	32
9	21Q65A0201	41
10	21Q65A0202	26
11	21Q65A0203	26
12	21Q65A0204	29
13	21Q65A0205	33
14	21Q65A0207	32
15	21Q65A0208	28
16	21Q65A0209	29
17	21Q65A0210	51
18	21Q65A0211	23
19	21Q65A0212	27
20	21Q65A0213	31
21	21Q65A0214	35
22	21Q65A0215	26
23	21Q65A0216	26
24	21Q65A0217	26
25	21Q65A0218	33
26	21Q65A0219	32
27	21Q65A0220	32
28	21Q65A0221	26
29	21Q65A0222	30
30	21Q65A0223	26
31	21Q65A0224	29
32	21Q65A0225	32
33	21Q65A0226	26
34	21Q65A0227	29
35	21Q65A0228	32
36	21Q65A0229	29
37	21Q65A0230	26
38	21Q65A0231	29
39	21Q65A0232	28
40	21Q65A0233	26
41	21Q65A0235	14

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42	21Q65A0236	26
43	21Q65A0237	17
44	21Q65A0238	33
45	21Q65A0239	32
46	21Q65A0240	31
47	21Q65A0242	26
48	21Q65A0243	26
49	21Q65A0244	47

No. of students who attempted the subject	49
Max. Marks	75
No. of students secured > 26 marks	34
Percentage of students secured > 26 marks	69.4
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
<u>Overall Course Outcome Attainment</u>			
Branch & Section:	EEE	Exam:	
Course:	Signals & Systems	Semester:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	Understand the basics of continuous time and discrete time signals and systems.
CO2	Explain state space analysis of LTI system
CO3	Comprehend the effects of sampling on a continuous time signal
CO4	Analyze the signals with different transform technique

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	2						2		3	2	2
CO2	3	3	3	2						2		3	2	2
CO3	3	3	3	2						2		3	2	2
CO4	3	3	3	2						2		3	2	2
CO avg(M)	3	3	3	2						2		3	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-2023)	
Course/Sub:		Electrical Hybrid Vehicle		Year/Semester:		IV/I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		3	3		10	5
2	19Q61A0202	5		5		3	5
3	19Q61A0203	3			4	7	5
4	19Q61A0204		5		5	4	5
5	19Q61A0205		5		5	7	5
6	19Q61A0206	4			5	5	5
7	19Q61A0207	5		5		4	5
8	19Q61A0208	5		5	4	9	5
9	19Q61A0209		5		5	7	5
10	19Q61A0210	2		2		7	5
11	19Q61A0211	5		5		5	5
12	19Q61A0212		5		5	7	5
13	19Q61A0213			5	5	8	5
14	19Q61A0214	5		5		8	5
15	19Q61A0215	5			5	7	5
16	19Q61A0216		4		5	7	5
17	19Q61A0217		5	4		6	5
18	19Q61A0218	4		4		6	5
19	19Q61A0219	4			4	8	5
20	19Q61A0220		5		5	8	5
21	19Q61A0221		5	5		9	5
22	19Q61A0222	4			4	9	5
23	19Q61A0223	2	3			8	5
24	19Q61A0224		3	3		8	5
25	19Q61A0225			4	4	3	5
26	19Q61A0226		4		2	8	5
27	19Q61A0227		5	5		3	5
28	19Q61A0228	4			4	8	5
29	19Q61A0229	4	5			10	5
30	19Q61A0230		5	5		9	5
31	19Q61A0231			4	4	7	5
32	19Q61A0232	5			5	8	5
33	19Q61A0233	2	1			4	5
34	19Q61A0234		3		2	5	5
35	19Q61A0235	4			4	9	5
36	19Q61A0236	5		5		8	5
37	19Q61A0237		5		5	9	5

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38	19Q61A0238	4			5	8	5
39	19Q61A0239	4		5		9	5
40	19Q61A0240			5	5	8	5
41	19Q61A0241		5		5	7	5
42	19Q61A0242	4		5		9	5
43	19Q61A0243	5			5	9	5
44	19Q61A0244		5		5	8	5
45	19Q61A0245	4			4	9	5
46	19Q61A0246	5		5		6	5
47	19Q61A0247			5	5	7	5
48	19Q61A0248		4		4	7	5
49	19Q61A0249	5		5		8	5
48	19Q61A0250		5		5	7	5
49	19Q61A0251		4	5		8	5
50	19Q61A0252	5			4	6	5
51	19Q61A0253	4			4	9	5
No. of students attempted		28	23	24	32	53	53
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		25	22	23	30	53	53
% of Students > 50%		89.29	95.66	95.84	93.75	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Electrical Hybrid Vehicle		Year/Semister:		IV/I	
		C03	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		5		2	9	5
2	19Q61A0202	4		5		4	5
3	19Q61A0203		3		3	8	5
4	19Q61A0204			4	4	6	5
5	19Q61A0205	4			4	9	5
6	19Q61A0206		4		4	6	5
7	19Q61A0207	4		4		6	5
8	19Q61A0208	5		5		9	5
9	19Q61A0209	4		4		8	5
10	19Q61A0210	3			3	6	5
11	19Q61A0211		4		4	7	5
12	19Q61A0212	4			5	8	5
13	19Q61A0213		5	5		8	5
14	19Q61A0214		3		5	8	5
15	19Q61A0215	4		4		9	5
16	19Q61A0216		4		4	8	5
17	19Q61A0217		5		3	7	5
18	19Q61A0218	4		3		7	5
19	19Q61A0219	4		3		9	5
20	19Q61A0220		4		5	9	5
21	19Q61A0221		4		5	10	5
22	19Q61A0222	2		5		10	5
23	19Q61A0223	2		3		8	5
24	19Q61A0224	3		3		8	5
25	19Q61A0225		5		2	4	5
26	19Q61A0226		2		5	7	5
27	19Q61A0227		4	3		6	5
28	19Q61A0228	4		4		8	5
29	19Q61A0229		5	4		10	5
30	19Q61A0230			4	5	10	5
31	19Q61A0231		4		4	7	5
32	19Q61A0232	5			5	8	5
33	19Q61A0233	2		2		3	5
34	19Q61A0234	2		3		5	5
35	19Q61A0235	4			4	9	5
36	19Q61A0236		5		5	8	5
37	19Q61A0237		5		5	9	5
38	19Q61A0238	4			5	8	5

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39	19Q61A0239	5		5		9	5
40	19Q61A0240		5	5		8	5
41	19Q61A0241	5	5			7	5
42	19Q61A0242		4		5	9	5
43	19Q61A0243			5	5	9	5
44	19Q61A0244		5		5	8	5
45	19Q61A0245	4		4		9	5
46	19Q61A0246		5	5		6	5
47	19Q61A0247		5		5	7	5
48	19Q61A0248	4			4	7	5
49	19Q61A0249	5		5		8	5
50	19Q61A0250	5		5		7	5
51	19Q61A0251	5		4		8	5
52	19Q61A0252			5	4	6	5
53	19Q61A0253	4			4	9	5
No. of students attempted		27	23	27	29	53	53
Max Marks Question wise		5	5	5	5	10	5
Target 50%		13.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		23	22	26	27	53	53
% of Students > 50%		85.19	95.66	96.3	93.11	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING	
Course Outcome Attainment External Examination		
Branch & Section:	EEE 2022-2023	Exam:
Course:	Electrical Hybrid Vehicle	Year/Semister:

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	19Q61A0201	29
2	19Q61A0202	26
3	19Q61A0203	32
4	19Q61A0204	31
5	19Q61A0205	21
6	19Q61A0206	35
7	19Q61A0207	46
8	19Q61A0208	33
9	19Q61A0209	33
10	19Q61A0210	32
11	19Q61A0211	26
12	19Q61A0212	26
13	19Q61A0213	38
14	19Q61A0214	38
15	19Q61A0215	34
16	19Q61A0216	32
17	19Q61A0217	30
18	19Q61A0218	29
19	19Q61A0219	37
20	19Q61A0220	34
21	19Q61A0221	40
22	19Q61A0222	28
23	19Q61A0223	26
24	19Q61A0224	32
25	19Q61A0225	32
26	19Q61A0226	26
27	19Q61A0227	35
28	19Q61A0228	41
29	19Q61A0229	32
30	19Q61A0230	26
31	19Q61A0231	36
32	19Q61A0232	29
33	19Q61A0233	39
34	19Q61A0234	26
35	19Q61A0235	26
36	19Q61A0236	38
37	19Q61A0237	26
38	19Q61A0238	38
39	19Q61A0239	20
40	19Q61A0240	26
41	19Q61A0241	34


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42	19Q61A0242	27
43	19Q61A0243	29
44	19Q61A0244	35
45	19Q61A0245	32
46	19Q61A0246	26
47	19Q61A0247	26
48	19Q61A0248	33
49	19Q61A0249	29
50	19Q61A0250	37
51	19Q61A0251	27
52	19Q61A0252	27
53	19Q61A0253	26

No. of students who attempted the subject	53
Max. Marks	75
No. of students secured > 26 marks	40
Percentage of students secured > 26 marks	75.5
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Branch & Section:	EEE	Exam:	
Course:	Electrical Hybrid Vehicle	Semester:	IV-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Understand the models to describe hybrid vehicles and their performance													
CO2	Understand the different possible ways of energy storage.													
CO3	Understand the different strategies related to energy storage systems.													
CO4	understand the fundamental concepts, principles, analysis and design of hybrid and electric vehicles													
CO5	understand the various aspects of hybrid and electric drive train such as their configuration, types of electric machines that can be used energy storage devices, etc.													
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	2	2	2	2			2			2	2	2
CO2	2	3	2	2	3	2			2				2	2
CO3	2	3	2	2	2	2			2			2	2	2
CO4	3	3	3	2	3	2						2	2	
CO5	2	3	2	2	2	2							2	
CO avg(M)	2	3	2	2	2.5	2			2			2	2	2

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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-2023)	
Course/Sub:		High Voltage DC Transmission		Year/Semester:		IV/I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		3	3		10	5
2	19Q61A0202	5		5		5	5
3	19Q61A0203	3			4	7	5
4	19Q61A0204		5		5	4	5
5	19Q61A0205		5		5	7	5
6	19Q61A0206	4			5	5	5
7	19Q61A0207	5		5		5	5
8	19Q61A0208	5		5	4	9	5
9	19Q61A0209		5		5	7	5
10	19Q61A0210	2		2		7	5
11	19Q61A0211	5		5		5	5
12	19Q61A0212		5		5	7	5
13	19Q61A0213			5	5	8	5
14	19Q61A0214	5		5		8	5
15	19Q61A0215	5			5	7	5
16	19Q61A0216		4		5	7	5
17	19Q61A0217		5	4		6	5
18	19Q61A0218	4		4		6	5
19	19Q61A0219	4			4	8	5
20	19Q61A0220		5		5	8	5
21	19Q61A0221		5	5		9	5
22	19Q61A0222	4			4	9	5
23	19Q61A0223	2	3			8	5
24	19Q61A0224		3	3		8	5
25	19Q61A0225			4	4	3	5
26	19Q61A0226		4		2	8	5
27	19Q61A0227		5	5		5	5
28	19Q61A0228	4			4	8	5
29	19Q61A0229	4	5			10	5
30	19Q61A0230		5	5		9	5
31	19Q61A0231			4	4	7	5
32	19Q61A0232	5			5	8	5
33	19Q61A0233	2	1			4	5
34	19Q61A0234		3		2	5	5
35	19Q61A0235	4			4	9	5
36	19Q61A0236	5		5		8	5
37	19Q61A0237		5		5	9	5


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38	19Q61A0238	4			5	8	5
39	19Q61A0239	5		5		9	5
40	19Q61A0240		5	5		8	5
41	19Q61A0241	5	5			7	5
42	19Q61A0242		4		5	9	5
43	19Q61A0243			5	5	9	5
44	19Q61A0244		5		5	8	5
45	19Q61A0245	4		4		9	5
46	19Q61A0246		5	5		6	5
47	19Q61A0247		5		5	7	5
48	19Q61A0248	4			4	7	5
49	19Q61A0249	5		5		8	5
50	19Q61A0250	5		5		7	5
51	19Q61A0251	5		4		8	5
52	19Q61A0252			5	4	6	5
53	19Q61A0253	4			4	9	5
No. of students attempted		27	23	27	29	53	53
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		23	22	26	27	53	53
% of Students > 50%		85.19	95.66	96.3	93.11	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department: ELECTRICAL AND ELECTRONICS ENGINEERING

Course Outcome Attainment - Internal Assessments

Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		High Voltage DC Transmission		Year/Semester:		IV/I	
		CO3	CO4	CO4	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		5		2	9	5
2	19Q61A0202	4		5		4	5
3	19Q61A0203		3		3	8	5
4	19Q61A0204			4	4	6	5
5	19Q61A0205	4			4	9	5
6	19Q61A0206		4		4	6	5
7	19Q61A0207	4		4		6	5
8	19Q61A0208	5		5		9	5
9	19Q61A0209	4		4		8	5
10	19Q61A0210	3			3	6	5
11	19Q61A0211		4		4	7	5
12	19Q61A0212	4			5	8	5
13	19Q61A0213		5	5		8	5
14	19Q61A0214		3		5	8	5
15	19Q61A0215	4		4		9	5
16	19Q61A0216		4		4	8	5
17	19Q61A0217		5		3	7	5
18	19Q61A0218	4		3		7	5
19	19Q61A0219	4		3		9	5
20	19Q61A0220		4		5	9	5
21	19Q61A0221		4		5	10	5
22	19Q61A0222	2		5		10	5
23	19Q61A0223	2		3		8	5
24	19Q61A0224	3		3		8	5
25	19Q61A0225		5		2	4	5
26	19Q61A0226		2		5	7	5
27	19Q61A0227		4	3		6	5
28	19Q61A0228	4		4		8	5
29	19Q61A0229		5	4		10	5
30	19Q61A0230			4	5	10	5
31	19Q61A0231		4		4	7	5
32	19Q61A0232	5			5	8	5
33	19Q61A0233	2		2		5	5
34	19Q61A0234	2		3		5	5
35	19Q61A0235	4			4	9	5
36	19Q61A0236		5		5	8	5
37	19Q61A0237		5		5	9	5

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38	19Q61A0238	4			5	8	5
39	19Q61A0239	5		5		9	5
40	19Q61A0240		5	5		8	5
41	19Q61A0241	5	5			7	5
42	19Q61A0242		4		5	9	5
43	19Q61A0243			5	5	9	5
44	19Q61A0244		5		5	8	5
45	19Q61A0245	4		4		9	5
46	19Q61A0246		5	5		6	5
47	19Q61A0247		5		5	7	5
48	19Q61A0248	4			4	7	5
49	19Q61A0249	5		5		8	5
50	19Q61A0250	5		5		7	5
51	19Q61A0251	5		4		8	5
52	19Q61A0252			5	4	6	5
53	19Q61A0253	4			4	9	5
No. of students attempted		27	23	27	29	53	53
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		23	22	26	27	53	53
% of Students > 50%		85.19	95.66	96.3	93.11	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Branch & Section:	EEE - 2022-2023	Exam:
Course:	High Voltage DC Transmission	Year/Semister:

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	19Q61A0201	5
2	19Q61A0202	26
3	19Q61A0203	4
4	19Q61A0204	5
5	19Q61A0205	21
6	19Q61A0206	12
7	19Q61A0207	46
8	19Q61A0208	33
9	19Q61A0209	15
10	19Q61A0210	8
11	19Q61A0211	26
12	19Q61A0212	26
13	19Q61A0213	38
14	19Q61A0214	10
15	19Q61A0215	34
16	19Q61A0216	11
17	19Q61A0217	30
18	19Q61A0218	2
19	19Q61A0219	37
20	19Q61A0220	34
21	19Q61A0221	40
22	19Q61A0222	28
23	19Q61A0223	26
24	19Q61A0224	12
25	19Q61A0225	7
26	19Q61A0226	26
27	19Q61A0227	26
28	19Q61A0228	41
29	19Q61A0229	32
30	19Q61A0230	26
31	19Q61A0231	15
32	19Q61A0232	29
33	19Q61A0233	15
34	19Q61A0234	26
35	19Q61A0235	26
36	19Q61A0236	38
37	19Q61A0237	26
38	19Q61A0238	38
39	19Q61A0239	20
40	19Q61A0240	26
41	19Q61A0241	34


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42	19Q61A0242	27
43	19Q61A0243	19
44	19Q61A0244	35
45	19Q61A0245	10
46	19Q61A0246	26
47	19Q61A0247	26
48	19Q61A0248	33
49	19Q61A0249	18
50	19Q61A0250	37
51	19Q61A0251	27
52	19Q61A0252	27
53	19Q61A0253	26

No. of students who attempted the subject	53
Max. Marks	75
No. of students secured > 26 marks	35
Percentage of students secured > 26 marks	66.0
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment			
Branch & Section:	EEE	Exam:	
Course:	High Voltage DC Transmission	Semester:	IV-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

SUB: HVDC		SEM: 4-II		Dept. of EEE										
Course Outcomes														
CO1	Compare EHV AC and HVDC system and to describe various types of DC links													
CO2	Analyze Graetz circuit for rectifier and inverter mode of operation													
CO3	Describe various methods for the control of HVDC systems and to perform power flow analysis in AC/DC systems													
CO4	Describe various protection methods for HVDC systems and classify Harmonics and design different types of filters vehicles.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	2		2		2			2	2	2
CO2	2	2	2	2	2		2			2			2	
CO3	2	2	2	2	2		2		2			2		2
CO4	2	2	3	2	3			2		2		2	2	
CO5	2	2	2	3	2		2						2	
CO avg(M)	2	2	2.5	2.5	2.5		2	2	2	2		2	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-2023)	
Course/Sub:		Fundamentals of Management		Year/Semester:		IV/I	
		CO1	CO2	CO2	CO3		
SLNo	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		2	2		3	5
2	19Q61A0202	5		5		8	5
3	19Q61A0203	1			2	2	5
4	19Q61A0204		5		5	8	5
5	19Q61A0205		5		5	5	5
6	19Q61A0206	4			5	8	5
7	19Q61A0207	5		5		7	5
8	19Q61A0208	4		4		7	5
9	19Q61A0209		5		4	7	5
10	19Q61A0210	1		2		2	5
11	19Q61A0211	5		4		9	5
12	19Q61A0212		5		5	7	5
13	19Q61A0213			5	5	8	5
14	19Q61A0214	5		5		5	5
15	19Q61A0215	5			4	7	5
16	19Q61A0216		4		5	4	5
17	19Q61A0217		5	5		6	5
18	19Q61A0218	4		5		7	5
19	19Q61A0219	5			5	10	5
20	19Q61A0220		5		5	10	5
21	19Q61A0221		5	5		9	5
22	19Q61A0222	4			4	7	5
23	19Q61A0223	5	5			10	5
24	19Q61A0224		3	2		2	5
25	19Q61A0225			4	5	9	5
26	19Q61A0226		3		3	3	5
27	19Q61A0227		5	5		4	5
28	19Q61A0228	5			4	10	5
29	19Q61A0229	5	5			9	5
30	19Q61A0230		5	5		9	5
31	19Q61A0231			4	4	8	5
32	19Q61A0232	5			5	9	5
33	19Q61A0233	1	1			3	5
34	19Q61A0234		5		5	8	5
35	19Q61A0235	5			5	8	5
36	19Q61A0236	5		5		10	5
37	19Q61A0237		5		5	8	5

[Signature]
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38	19Q61A0238	4			5	9	5
39	19Q61A0239	5		5		8	5
40	19Q61A0240			5	5	7	5
41	19Q61A0241		5		5	9	5
42	19Q61A0242	4		5		7	5
43	19Q61A0243	5			5	5	5
44	19Q61A0244		5		5	10	5
45	19Q61A0245	2			3	5	5
46	19Q61A0246	5		4		3	5
47	19Q61A0247			3	2	5	5
48	19Q61A0248		5		5	8	5
49	19Q61A0249	5		4		7	5
48	19Q61A0250		5		5	8	5
49	19Q61A0251		5	5		5	5
50	19Q61A0252	5			5	9	5
51	19Q61A0253	2			2	4	5
No. of students attempted		28	13	14	15	7	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		23	12	11	14	9	28
% of Students > 50%		82.15	92.31	78.58	93.34	128.58	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Fundamentals of Management		Year/Semester:		IV/I	
		CO3	CO4	CO4	C05		
SLNo	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		3		2	4	5
2	19Q61A0202	4		4		10	5
3	19Q61A0203		3		3	3	5
4	19Q61A0204			4	4	10	5
5	19Q61A0205	3			2	10	5
6	19Q61A0206		4		4	9	5
7	19Q61A0207	4		4		9	5
8	19Q61A0208	3		3		9	5
9	19Q61A0209	4		4		8	5
10	19Q61A0210	3			3	3	5
11	19Q61A0211		4		4	10	5
12	19Q61A0212	4			4	9	5
13	19Q61A0213		5	4		9	5
14	19Q61A0214		2		5	8	5
15	19Q61A0215	4		4		8	5
16	19Q61A0216		3		3	7	5
17	19Q61A0217		4		4	8	5
18	19Q61A0218	4		4		8	5
19	19Q61A0219	5		5		10	5
20	19Q61A0220		5		5	10	5
21	19Q61A0221		4		5	10	5
22	19Q61A0222	2		5		8	5
23	19Q61A0223	5		5		10	5
24	19Q61A0224	3		2		2	5
25	19Q61A0225		5		5	8	5
26	19Q61A0226		2		3	4	5
27	19Q61A0227		4	4		6	5
28	19Q61A0228	5		5		9	5
29	19Q61A0229		5	4		10	5
30	19Q61A0230			4	5	10	5
31	19Q61A0231		4		5	7	5
32	19Q61A0232	4			5	10	5
33	19Q61A0233	3		2		2	5
34	19Q61A0234	4		4		10	5
35	19Q61A0235	4			4	10	5
36	19Q61A0236		5		5	10	5
37	19Q61A0237		4		4	10	5

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38	19Q61A0238	4			5	9	5
39	19Q61A0239	4		4		10	5
40	19Q61A0240		5	3		10	5
41	19Q61A0241	5	4			10	5
42	19Q61A0242		3		5	9	5
43	19Q61A0243			5	2	8	5
44	19Q61A0244		5		5	10	5
45	19Q61A0245	3		3		2	5
46	19Q61A0246		5	3		5	5
47	19Q61A0247		5		5	5	5
48	19Q61A0248	4			5	9	5
49	19Q61A0249	4		4		8	5
50	19Q61A0250	5		5		8	5
51	19Q61A0251	5		5		5	5
52	19Q61A0252			5	4	10	5
53	19Q61A0253	2			2	4	5
No. of students attempted		27	13	14	15	7	28
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		25	11	13	13	9	28
% of Students > 50%		92.6	84.62	92.86	86.67	128.58	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE - 2022-2023	Exam:	EXTERNAL
Course:	Fundamentals of Management	Year/Semester:	IV-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	19Q61A0201	29
2	19Q61A0202	28
3	19Q61A0203	29
4	19Q61A0204	33
5	19Q61A0205	26
6	19Q61A0206	26
7	19Q61A0207	34
8	19Q61A0208	37
9	19Q61A0209	28
10	19Q61A0210	29
11	19Q61A0211	28
12	19Q61A0212	27
13	19Q61A0213	32
14	19Q61A0214	33
15	19Q61A0215	31
16	19Q61A0216	28
17	19Q61A0217	32
18	19Q61A0218	16
19	19Q61A0219	42
20	19Q61A0220	32
21	19Q61A0221	42
22	19Q61A0222	29
23	19Q61A0223	34
24	19Q61A0224	33
25	19Q61A0225	35
26	19Q61A0226	33
27	19Q61A0227	26
28	19Q61A0228	35
29	19Q61A0229	33
30	19Q61A0230	33
31	19Q61A0231	30
32	19Q61A0232	34
33	19Q61A0233	29
34	19Q61A0234	27
35	19Q61A0235	29
36	19Q61A0236	37
37	19Q61A0237	28
38	19Q61A0238	38
39	19Q61A0239	28
40	19Q61A0240	33
41	19Q61A0241	34

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42	19Q61A0242	35
43	19Q61A0243	28
44	19Q61A0244	34
45	19Q61A0245	29
46	19Q61A0246	29
47	19Q61A0247	29
48	19Q61A0248	38
49	19Q61A0249	26
50	19Q61A0250	29
51	19Q61A0251	26
52	19Q61A0252	29
53	19Q61A0253	35

No. of students who attempted the subject	53
Max. Marks	75
No. of students secured > 26 marks	47
Percentage of students secured > 26 marks	88.7
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
<u>Overall Course Outcome Attainment</u>			
Branch & Section:	EEE	Exam:	
Course:	Fundamentals of Management	Semester:	IV-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT - $0.25*INT + 0.75*EXT$


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COURSE OUTCOMES

CO1	The students understand the significance of Management in their Profession. The various Management Functions like Planning, Organizing, Staffing, Leading, Motivation and Control aspects are learnt in this course
CO2	The students can explore the Management Practices in their domain area

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2		3						3	2	2	2
CO2	3	2	2	2	3	2	2				3	2	2	2
CO avg(M)	3	2	2	2	3	2	2				3	2	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - I (2022-2023)	
Course/Sub:		Principles Of Enterpreneuership		Year/Semister:		IV/I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		2	2		10	5
2	19Q61A0202	5		5		4	5
3	19Q61A0203	4			5	7	5
4	19Q61A0204		5		5	5	5
5	19Q61A0205		5		5	9	5
6	19Q61A0206	4			5	7	5
7	19Q61A0207	5		5		8	5
8	19Q61A0208	4		5		10	5
9	19Q61A0209		5		4	9	5
10	19Q61A0210	5		5		8	5
11	19Q61A0211	5		5		7	5
12	19Q61A0213		2		2	9	5
13	19Q61A0214			5	5	9	5
14	19Q61A0215	5		5		9	5
15	19Q61A0216	5			5	8	5
16	19Q61A0217		5		5	9	5
17	19Q61A0219		5	5		8	5
18	19Q61A0220	2		2		9	5
19	20Q65A0201	5			5	9	5
20	20Q65A0202		5		5	9	5
21	20Q65A0203		5	5		9	5
22	20Q65A0204	4			5	8	5
23	20Q65A0205	5	5			8	5
24	20Q65A0206		2	2		9	5
25	20Q65A0207			5	5	3	5
26	20Q65A0209		3		3	9	5
27	20Q65A0211		5	5		3	5
28	20Q65A0213	5			5	8	5
29	20Q65A0214	5	5			9	5
30	20Q65A0215		5	5		9	5
31	20Q65A0216			4	4	8	5
32	20Q65A0217	5			5	8	5
33	20Q65A0218	1	2			6	5
34	20Q65A0219		5		5	8	5
35	20Q65A0220	5			5	8	5
36	20Q65A0221	5		5		9	5
37	20Q65A0223		5		5	9	5
38	20Q65A0224	5			5	8	5

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39	20Q65A0226	5		5		9	5
40	20Q65A0227			5	5	9	5
41	20Q65A0229		5		5	8	5
42	20Q65A0230	5		5		10	5
43	20Q65A0231	5			5	9	5
44	20Q65A0232		5		5	8	5
45	20Q65A0233	5			5	9	5
46	20Q65A0234	5		5		8	5
47	20Q65A0235			5	5	8	5
48	20Q65A0236		5		5	9	5
49	20Q65A0237	5		5		9	5
48	20Q65A0238		5		5	8	5
49	20Q65A0239		5	5		8	5
50	20Q65A0240	5			5	8	5
51	20Q65A0241	5			5	9	5
No. of students attempted		28	23	24	31	53	53
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		26	19	21	30	53	53
% of Students>50%		92.86	82.61	87.5	96.78	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Principles Of Enterpreneuership		Year/Semister:		IV/I	
		CO3	CO4	CO4	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		3		2	9	5
2	19Q61A0202	4		4		6	5
3	19Q61A0203		4		4	8	5
4	19Q61A0204			4	5	6	5
5	19Q61A0205	4			5	10	5
6	19Q61A0206		4		4	8	5
7	19Q61A0207	4		4		10	5
8	19Q61A0208	5		5		9	5
9	19Q61A0209	4		5		10	5
10	19Q61A0210	4			5	9	5
11	19Q61A0211		4		5	8	5
12	19Q61A0212	2			2	9	5
13	19Q61A0213		5	5		9	5
14	19Q61A0214		5		5	9	5
15	19Q61A0215	4		4		10	5
16	19Q61A0216		4		5	10	5
17	19Q61A0217		4		5	9	5
18	19Q61A0218	3		3		7	5
19	19Q61A0219	4		5		10	5
20	19Q61A0220		5		4	10	5
21	19Q61A0221		4		5	10	5
22	19Q61A0222	5		5		7	5
23	19Q61A0223	5		4		9	5
24	19Q61A0224	3		3		7	5
25	19Q61A0225		4		5	4	5
26	19Q61A0226		2		5	8	5
27	19Q61A0227		3	3		7	5
28	19Q61A0228	5		4		9	5
29	19Q61A0229		5	4		10	5
30	19Q61A0230			4	5	10	5
31	19Q61A0231		4		5	7	5
32	19Q61A0232	4			5	9	5
33	19Q61A0233	2		2		5	5
34	19Q61A0234	4		5		9	5
35	19Q61A0235	4			5	9	5
36	19Q61A0236		5		4	10	5
37	19Q61A0237		4		5	10	5
38	19Q61A0238	4			5	9	5


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39	19Q61A0239	4		5		10	5
40	19Q61A0240		5	4		10	5
41	19Q61A0241	5	4			9	5
42	19Q61A0242		5		5	10	5
43	19Q61A0243			5	5	10	5
44	19Q61A0244		5		4	9	5
45	19Q61A0245	4		5		10	5
46	19Q61A0246		5	4		7	5
47	19Q61A0247		5		4	9	5
48	19Q61A0248	4			5	10	5
49	19Q61A0249	4		5		10	5
50	19Q61A0250	5		4		9	5
51	19Q61A0251	4		4		10	5
52	19Q61A0252			4	4	10	5
53	19Q61A0253	4			5	10	5
No. of students attempted		27	23	27	29	53	53
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		25	22	26	27	53	53
% of Students > 50%		92.6	95.7	96.3	93.1	100.0	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Branch & Section:	EEE 2022-2023	Exam:
Course:	Principles Of Enterprenuership	Year/Semister:

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	19Q61A0201	32
2	19Q61A0202	26
3	19Q61A0203	32
4	19Q61A0204	33
5	19Q61A0205	35
6	19Q61A0206	26
7	19Q61A0207	32
8	19Q61A0208	32
9	19Q61A0209	22
10	19Q61A0210	29
11	19Q61A0211	32
12	19Q61A0212	26
13	19Q61A0213	32
14	19Q61A0214	30
15	19Q61A0215	32
16	19Q61A0216	30
17	19Q61A0217	29
18	19Q61A0218	27
19	19Q61A0219	26
20	19Q61A0220	29
21	19Q61A0221	28
22	19Q61A0222	26
23	19Q61A0223	26
24	19Q61A0224	29
25	19Q61A0225	21
26	19Q61A0226	27
27	19Q61A0227	29
28	19Q61A0228	32
29	19Q61A0229	26
30	19Q61A0230	29
31	19Q61A0231	27
32	19Q61A0232	26
33	19Q61A0233	33
34	19Q61A0234	20
35	19Q61A0235	26
36	19Q61A0236	27
37	19Q61A0237	32
38	19Q61A0238	26
39	19Q61A0239	36
40	19Q61A0240	35


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Gunthapally (V), Hayathnagar,
Ranga Reddy (Dist.)

41	19Q61A0241	26
42	19Q61A0242	34
43	19Q61A0243	22
44	19Q61A0244	27
45	19Q61A0245	33
46	19Q61A0246	20
47	19Q61A0247	32
48	19Q61A0248	28
49	19Q61A0249	29
50	19Q61A0250	22
51	19Q61A0251	22
52	19Q61A0252	29
53	19Q61A0253	29

No. of students who attempted the subject	53
Max. Marks	75
No. of students secured > 26 marks	35
Percentage of students secured > 26 marks	66.0
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Gunthapally (V), Abdullapurmet (M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Overall Course Outcome Attainment			
Branch & Section:	EEE	Exam:	
Course:	POE	Semester:	IV-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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CO1	Student will be able to assess or identify their readiness/ability/aptitude for entrepreneurship													
CO2	Student will be able to verbally articulate the value proposition of an Entrepreneurial venture													
CO3	Student will have an understanding of how Entrepreneurship can impact their lives and society													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	2	2	2	3	2				2			2
CO2	2	3	2	2	2	3					2		2	
CO3	2	3	2	2	2	2	2	2					2	2
CO avg(M)	2	3	2	2	2	2.5	2	2			2		2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Academic Year : 2022-23							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Power Quality & facts		Year/Semester:		IV/II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		4	4		7	5
2	19Q61A0202	4		4		9	5
3	19Q61A0203	3			2	7	5
4	19Q61A0204		2		5	7	5
5	19Q61A0205		2		5	7	5
6	19Q61A0206	2			5	7	5
7	19Q61A0207	5		4		8	5
8	19Q61A0208	5		5		6	5
9	19Q61A0209		5		4	9	5
10	19Q61A0210	2		3		7	5
11	19Q61A0211	5		5		8	5
12	19Q61A0212		2		2	3	5
13	19Q61A0213			4	5	8	5
14	19Q61A0214	5		4		9	5
15	19Q61A0215	2			2	4	5
16	19Q61A0216		4		4	8	5
17	19Q61A0217		5	5		6	5
18	19Q61A0218	2		3		10	5
19	19Q61A0219	4			4	7	5
20	19Q61A0220		5		5	9	5
21	19Q61A0221		2	3		5	5
22	19Q61A0222	2			3	4	5
23	19Q61A0223	5	5			5	5
24	19Q61A0224		3	3		10	5
25	19Q61A0225			4	4	8	5
26	19Q61A0226		3		3	3	5
27	19Q61A0227		5	4		9	5
28	19Q61A0228	5			4	9	5
29	19Q61A0229	5	4			9	5
30	19Q61A0230		5	5		6	5
31	19Q61A0231			5	5	6	5
32	19Q61A0232	5			5	6	5
33	19Q61A0233	4	4			7	5
34	19Q61A0234		5		5	8	5
35	19Q61A0235	5			5	6	5
36	19Q61A0236	5		5		8	5

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37	19Q61A0237		3		3	3	5
38	19Q61A0238	4			5	8	5
39	19Q61A0239	4		5		8	5
40	19Q61A0240			5	4	9	5
41	19Q61A0241		5		5	6	5
42	19Q61A0242	4		4		9	5
43	19Q61A0243	5			5	6	5
44	19Q61A0244		5		4	8	5
45	19Q61A0245	5			5	9	5
46	19Q61A0246	1		2		6	5
47	19Q61A0247			5	5	6	5
48	19Q61A0248		5		5	6	5
49	19Q61A0249	5		5		6	5
50	19Q61A0250		5		5	6	5
51	19Q61A0251		4	4		5	5
52	19Q61A0252		5	5		6	5
53	19Q61A0253		5		4	9	5
54	19Q61A0253		3		3	3	5
No. of students attempted		26	26	25	31	54	54
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		20	22	24	28	54	54
% of Students>50%		76.93	84.62	96	90.33	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department: | **ELECTRICAL AND ELECTRONICS ENGINEERING**

Course Outcome Attainment - Internal Assessments

Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Power Quality & facts		Year/Semister:		IV/II	
		CO3	CO4	CO4	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		4		4	6	5
2	19Q61A0202	4		4		9	5
3	19Q61A0203		2		5	5	5
4	19Q61A0204			2	5	7	5
5	19Q61A0205	3			4	7	5
6	19Q61A0206		4		3	7	5
7	19Q61A0207	4		4		9	5
8	19Q61A0208	5		5		6	5
9	19Q61A0209	3		3		7	5
10	19Q61A0210	3			3	6	5
11	19Q61A0211		5		5	6	5
12	19Q61A0212	3			2	4	5
13	19Q61A0213		5	4		8	5
14	19Q61A0214		5		5	8	5
15	19Q61A0215	2		2		5	5
16	19Q61A0216		4		5	9	5
17	19Q61A0217		4		4	8	5
18	19Q61A0218	2		5		8	5
19	19Q61A0219	2		3		10	5
20	19Q61A0220		5		4	10	5
21	19Q61A0221		3		2	5	5
22	19Q61A0222	2		3		4	5
23	19Q61A0223	3		4		8	5
24	19Q61A0224	4		4		10	5
25	19Q61A0225		5		5	6	5
26	19Q61A0226		3		3	3	5
27	19Q61A0227		4	5		9	5
28	19Q61A0228	5		4		9	5
29	19Q61A0229		5	4		9	5
30	19Q61A0230			4	4	8	5
31	19Q61A0231		4		4	8	5
32	19Q61A0232	5			5	6	5
33	19Q61A0233	2		5		6	5
34	19Q61A0234	4		5		9	5
35	19Q61A0235	4			3	9	5
36	19Q61A0236		5		4	9	5
37	19Q61A0237		3		2	4	5
38	19Q61A0238	4			4	9	5

[Signature]
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39	19Q61A0239	2		5		10	5
40	19Q61A0240		5	4		9	5
41	19Q61A0241	4	4			8	5
42	19Q61A0242		4		4	9	5
43	19Q61A0243			4	4	8	5
44	19Q61A0244		4		4	9	5
45	19Q61A0245	4		5		10	5
46	19Q61A0246		2	2		5	5
47	19Q61A0247		4		4	8	5
48	19Q61A0248	4			4	8	5
49	19Q61A0249	4		4		8	5
50	19Q61A0250	4		5		7	5
51	19Q61A0251	4		4		5	5
52	19Q61A0252			4	4	8	5
53	19Q61A0253	4			4	10	5
No. of students attempted		27	23	27	29	53	53
Max Marks Question wise		5	5	5	5	8	5
Target 50%		2.5	2.5	2.5	2.5	6	2.5
No. of Students above 50%		21	21	24	26	53	53
% of Students > 50%		77.78	91.31	88.89	89.66	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	EEE-2022-2023	Exam:	EXTERNAL
Course:	Power Quality & facts	Year/Semester:	IV-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	19Q61A0201	39
2	19Q61A0202	39
3	19Q61A0203	29
4	19Q61A0204	28
5	19Q61A0205	38
6	19Q61A0206	34
7	19Q61A0207	46
8	19Q61A0208	29
9	19Q61A0209	39
10	19Q61A0210	26
11	19Q61A0211	36
12	19Q61A0212	-1
13	19Q61A0213	37
14	19Q61A0214	34
15	19Q61A0215	26
16	19Q61A0216	39
17	19Q61A0217	26
18	19Q61A0218	31
19	19Q61A0219	26
20	19Q61A0220	41
21	19Q61A0221	-1
22	19Q61A0222	-1
23	19Q61A0223	29
24	19Q61A0224	29
25	19Q61A0225	29
26	19Q61A0226	31
27	19Q61A0227	32
28	19Q61A0228	52
29	19Q61A0229	40
30	19Q61A0230	37
31	19Q61A0231	29
32	19Q61A0232	33
33	19Q61A0233	38
34	19Q61A0234	29
35	19Q61A0235	32
36	19Q61A0236	47
37	19Q61A0237	32
38	19Q61A0238	37
39	19Q61A0239	33
40	19Q61A0240	29
41	19Q61A0241	37


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42	19Q61A0242	30
43	19Q61A0243	35
44	19Q61A0244	45
45	19Q61A0245	33
46	19Q61A0246	26
47	19Q61A0247	45
48	19Q61A0248	29
49	19Q61A0249	40
50	19Q61A0250	26
51	19Q61A0251	40
52	19Q61A0252	37
53	19Q61A0253	36
54	19Q61A0254	46

No. of students who attempted the subject	51
Max. Marks	75
No. of students secured > 26 marks	44
Percentage of students secured > 26 marks	86.3
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING				
Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3.00	-	3.00	3.00	3
Course outcome - 2	3.00	-	3.00	3.00	3
Course outcome - 3	3.00	3.00	3.00	3.00	3
Course outcome - 4	-	3.00	3.00	3.00	3
Course outcome - 5	-	3.00	3.00	3.00	3
Average			3.00	3.00	3


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Course Outcomes														
CO1	Understand the concept of voltage sag transformation from up-stream to down stream													
CO2	Concept of improving the power quality to sensitive load by various mitigating custom power devices													
CO3	Understand various systems thoroughly and their requirements													
CO4	Understand the control circuits of Shunt Controllers SVC & STATCOM for various functions													
CO5	Design power and control circuits of Series Controllers GCSC, TSSC and TCSC													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	2								2	2	2
CO2	2	2	2	2								2	2	2
CO3	3	2	2	2								2	2	2
CO4	2	2	2	2								2	3	2
CO5	3	2	2									2	2	2
co avg	2.75	2	2	2								2	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Academic year : 2022-23							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Electrical Distribution System		Year/Semester:		IV/II	
		CO1	CO2	CO2	CO3		
SLNo	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		2	1		4	5
2	19Q61A0202	2		5		8	5
3	19Q61A0203	4			5	7	5
4	19Q61A0204		2		2	3	5
5	19Q61A0205		2		3	7	5
6	19Q61A0206	2			5	7	5
7	19Q61A0207	5		4		8	5
8	19Q61A0208	2		5		8	5
9	19Q61A0209		5		4	9	5
10	19Q61A0210	2		3		7	5
11	19Q61A0211	5		5		8	5
12	19Q61A0212		2		2	3	5
13	19Q61A0213			5	5	5	5
14	19Q61A0214	5		5		6	5
15	19Q61A0215	2			2	4	5
16	19Q61A0216		4		4	8	5
17	19Q61A0217		5	5		5	5
18	19Q61A0218	3		2		10	5
19	19Q61A0219	4			4	7	5
20	19Q61A0220		5		5	9	5
21	19Q61A0221		2	3		5	5
22	19Q61A0222	3			2	4	5
23	19Q61A0223	5	5			5	5
24	19Q61A0224		3	3		10	5
25	19Q61A0225			4	4	9	5
26	19Q61A0226		3		2	4	5
27	19Q61A0227		5	5		7	5
28	19Q61A0228	5			5	8	5
29	19Q61A0229	5	5			8	5
30	19Q61A0230		5	4		7	5
31	19Q61A0231			4	5	7	5
32	19Q61A0232	5			5	8	5
33	19Q61A0233	4	4			7	5
34	19Q61A0234		5		5	8	5
35	19Q61A0235	4			4	10	5
36	19Q61A0236	5		5		8	5
37	19Q61A0237		5		5	5	5

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38	19Q61A0238	5			5	7	5
39	19Q61A0239	5		5		8	5
40	19Q61A0240			5	2	10	5
41	19Q61A0241		5		5	5	5
42	19Q61A0242	5		5		9	5
43	19Q61A0243	5			5	8	5
44	19Q61A0244		5		4	8	5
45	19Q61A0245	4			4	9	5
46	19Q61A0246	1		2		6	5
47	19Q61A0247			5	4	7	5
48	19Q61A0248		3		2	6	5
49	19Q61A0249	5		5		8	5
50	19Q61A0250		5		5	7	5
51	19Q61A0251		1	2		6	5
52	19Q61A0252		4	5		8	5
53	19Q61A0253		4		4	9	5
54	19Q61A0253		3		3	3	5
No. of students attempted		26	26	25	31	53	54
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		20	20	21	24	53	54
% of Students>50%		76.93	76.93	84	77.42	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Academic year : 2022-23							
Branch & Section:		EEE		Exam:		MID - II	
Course/Sub:		Electrical Distribution System		Year/Semester:		IV/II	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		2		2	3	5
2	19Q61A0202	4		4		7	5
3	19Q61A0203		2		5	5	5
4	19Q61A0204			2	3	2	5
5	19Q61A0205	3			3	7	5
6	19Q61A0206		4		4	7	5
7	19Q61A0207	4		4		9	5
8	19Q61A0208	5		5		5	5
9	19Q61A0209	5		5		8	5
10	19Q61A0210	3			3	6	5
11	19Q61A0211		4		5	9	5
12	19Q61A0212	1			2	4	5
13	19Q61A0213		5	2		8	5
14	19Q61A0214		4		4	8	5
15	19Q61A0215	1		2		5	5
16	19Q61A0216		4		5	7	5
17	19Q61A0217		4		5	7	5
18	19Q61A0218	3		4		8	5
19	19Q61A0219	3		2		10	5
20	19Q61A0220		5		4	10	5
21	19Q61A0221		3		2	5	5
22	19Q61A0222	2		3		4	5
23	19Q61A0223	3		4		8	5
24	19Q61A0224	3		3		10	5
25	19Q61A0225		4		5	8	5
26	19Q61A0226		2		2	3	5
27	19Q61A0227		4	4		9	5
28	19Q61A0228	5		4		9	5
29	19Q61A0229		5	4		9	5
30	19Q61A0230			3	3	10	5
31	19Q61A0231		2		5	9	5
32	19Q61A0232	4			5	9	5
33	19Q61A0233	2		5		5	5
34	19Q61A0234	4		5		9	5
35	19Q61A0235	4			4	10	5
36	19Q61A0236		5		4	10	5
37	19Q61A0237		5		5	10	5

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38	19Q61A0238	4			4	9	5
39	19Q61A0239	4		4		10	5
40	19Q61A0240		5	4		8	5
41	19Q61A0241	5	4			5	5
42	19Q61A0242		4		4	9	5
43	19Q61A0243			5	5	8	5
44	19Q61A0244		4		4	9	5
45	19Q61A0245	2		5		10	5
46	19Q61A0246		2	2		5	5
47	19Q61A0247		4		4	8	5
48	19Q61A0248	2			5	4	5
49	19Q61A0249	5		5		8	5
50	19Q61A0250	5		5		7	5
51	19Q61A0251	1		2		6	5
52	19Q61A0252			5	5	7	5
53	19Q61A0253	4			4	10	5
No. of students attempted		27	23	27	29	53	53
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		20	18	21	25	52	53
% of Students > 50%		74.08	78.27	77.78	86.21	98.12	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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www.aietg.ac.in email: principal.avanthi@gmail.com**Department:****ELECTRICAL AND ELECTRONICS ENGINEERING****Course Outcome Attainment External Examination**

Academic year : 2022-23

Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Electrical Distribution System	Year/Semester:	IV-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	19Q61A0201	39
2	19Q61A0202	30
3	19Q61A0203	29
4	19Q61A0204	26
5	19Q61A0205	27
6	19Q61A0206	28
7	19Q61A0207	33
8	19Q61A0208	30
9	19Q61A0209	29
10	19Q61A0210	39
11	19Q61A0211	24
12	19Q61A0212	-1
13	19Q61A0213	22
14	19Q61A0214	32
15	19Q61A0215	33
16	19Q61A0216	39
17	19Q61A0217	35
18	19Q61A0218	26
19	19Q61A0219	27
20	19Q61A0220	36
21	19Q61A0221	-1
22	19Q61A0222	-1
23	19Q61A0223	28
24	19Q61A0224	34
25	19Q61A0225	27
26	19Q61A0226	26
27	19Q61A0227	27
28	19Q61A0228	34
29	19Q61A0229	33
30	19Q61A0230	29
31	19Q61A0231	34
32	19Q61A0232	34
33	19Q61A0233	26
34	19Q61A0234	32
35	19Q61A0235	34
36	19Q61A0236	37
37	19Q61A0237	26
38	19Q61A0238	37
39	19Q61A0239	40
40	19Q61A0240	33


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41	19Q61A0241	34
42	19Q61A0242	38
43	19Q61A0243	37
44	19Q61A0244	35
45	19Q61A0245	37
46	19Q61A0246	27
47	19Q61A0247	31
48	19Q61A0248	26
49	19Q61A0249	35
50	19Q61A0250	26
51	19Q61A0251	36
52	19Q61A0252	33
53	19Q61A0253	36
54	19Q61A0254	37

No. of students who attempted the subject	51
Max. Marks	75
No. of students secured > 26 marks	45
Percentage of students secured > 26 marks	88.2
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment			
Academic Year: 2022-23			
Branch & Section:	EEE	Exam:	
Course:	Electrical Distribution System	Semester:	IV-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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Course Outcomes

CO1	To understand design considerations of feeders
CO2	Compute power loss and voltage drop of the feeders
CO3	Design protection of distribution systems
CO4	Understand the importance of voltage control and power factor improvement
CO5	Distinguish between transmission, and distribution line and design the feeders

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3		2		2		2			2	2	2
CO2	3	2	3		2		2					2	2	2
CO3	3		3		2		2		2			2		2
CO4	3	3	2		2								2	
CO5	2	2	2		2								2	
CO avg(M)	2.75	2.5	2.66		2		2		2			2	2	2


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Academic Year: 2022-23							
Branch & Section:		EEE		Exam:		MID - I	
Course/Sub:		Non Conventional Sources Of Energy		Year/Semester:		IV/II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		2	5		7	5
2	19Q61A0202	4		4		9	5
3	19Q61A0203	4			4	5	5
4	19Q61A0204		4		4	8	5
5	19Q61A0205		4		4	7	5
6	19Q61A0206	4			4	7	5
7	19Q61A0207	5		4		6	5
8	19Q61A0208	4		4		8	5
9	19Q61A0209		2		2	10	5
10	19Q61A0210	2		3		8	5
11	19Q61A0211	5		5		7	5
12	19Q61A0212		3		3	7	5
13	19Q61A0213			4	4	8	5
14	19Q61A0214	5		4		9	5
15	19Q61A0215	1			3	7	5
16	19Q61A0216		4		4	9	5
17	19Q61A0217		5	4		7	5
18	19Q61A0218	4		3		7	5
19	19Q61A0219	4			3	7	5
20	19Q61A0220		5		5	8	5
21	19Q61A0221		3	3		7	5
22	19Q61A0222	3			3	7	5
23	19Q61A0223	5	4			5	5
24	19Q61A0224		5	4		10	5
25	19Q61A0225			4	4	8	5
26	19Q61A0226		3		3	7	5
27	19Q61A0227		5	5		9	5
28	19Q61A0228	5			5	8	5
29	19Q61A0229	5	5			9	5
30	19Q61A0230		4	4		7	5
31	19Q61A0231			4	4	7	5
32	19Q61A0232	4			4	7	5
33	19Q61A0233	4	4			7	5
34	19Q61A0234		5		5	8	5
35	19Q61A0235	4			4	9	5
36	19Q61A0236	5		5		8	5

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37	19Q61A0237		3		3	7	5
38	19Q61A0238	4			4	7	5
39	19Q61A0239	4		4		9	5
40	19Q61A0240			5	2	10	5
41	19Q61A0241		4		4	8	5
42	19Q61A0242	4		4		8	5
43	19Q61A0243	4			4	8	5
44	19Q61A0244		5		2	10	5
45	19Q61A0245	5			5	9	5
46	19Q61A0246	3		3		6	5
47	19Q61A0247			5	3	7	5
48	19Q61A0248		3		5	8	5
49	19Q61A0249	4		4		8	5
50	19Q61A0250		5		3	8	5
51	19Q61A0251		4	4		8	5
52	19Q61A0252		2	5		7	5
53	19Q61A0253		5		5	9	5
54	19Q61A0253		3		3	3	5
No. of students attempted		26	26	25	31	54	54
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		24	23	25	28	54	54
% of Students > 50%		92.31	88.47	100	90.33	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department: ELECTRICAL AND ELECTRONICS ENGINEERING

Course Outcome Attainment - Internal Assessments

Academic Year: 2022-23

Branch & Section:		EEE		Exam:		MID - II	
		Non Conventional Sources Of Energy		Year/Semister:		IV/II	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	19Q61A0201		4		4	6	5
2	19Q61A0202	4		5		8	5
3	19Q61A0203		2		5	5	5
4	19Q61A0204			4	4	8	5
5	19Q61A0205	3			3	7	5
6	19Q61A0206		3		3	7	5
7	19Q61A0207	4		3		7	5
8	19Q61A0208	5		5		5	5
9	19Q61A0209	4		4		6	5
10	19Q61A0210	3			3	6	5
11	19Q61A0211		4		4	8	5
12	19Q61A0212	3			2	6	5
13	19Q61A0213		5	3		8	5
14	19Q61A0214		4		5	8	5
15	19Q61A0215	3		2		5	5
16	19Q61A0216		4		5	8	5
17	19Q61A0217		4		2	7	5
18	19Q61A0218	4		4		6	5
19	19Q61A0219	4		4		6	5
20	19Q61A0220		5		4	10	5
21	19Q61A0221		3		2	6	5
22	19Q61A0222	2		3		6	5
23	19Q61A0223	3		4		8	5
24	19Q61A0224	4		5		10	5
25	19Q61A0225		4		4	8	5
26	19Q61A0226		2		2	3	5
27	19Q61A0227		4	4		9	5
28	19Q61A0228	5		4		9	5
29	19Q61A0229		5	4		9	5
30	19Q61A0230			3	3	7	5
31	19Q61A0231		3		3	7	5
32	19Q61A0232	3			3	7	5
33	19Q61A0233	2		5		5	5
34	19Q61A0234	4		5		5	5
35	19Q61A0235	4			5	8	5
36	19Q61A0236		5		4	10	5

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37	19Q61A0237		3		2	6	5
38	19Q61A0238	4			2	7	5
39	19Q61A0239	4		5		8	5
40	19Q61A0240		5	4		8	5
41	19Q61A0241	4	4			8	5
42	19Q61A0242		4		4	8	5
43	19Q61A0243			4	4	8	5
44	19Q61A0244		4		4	9	5
45	19Q61A0245	4		5		10	5
46	19Q61A0246		3	3		6	5
47	19Q61A0247		4		4	6	5
48	19Q61A0248	3			5	8	5
49	19Q61A0249	4		4		8	5
50	19Q61A0250	5		5		5	5
51	19Q61A0251	4		4		8	5
52	19Q61A0252			4	4	6	5
53	19Q61A0253	4			5	10	5
No. of students attempted		27	23	27	29	53	53
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		25	21	26	23	53	53
% of Students > 50%		92.6	91.31	96.3	79.32	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRICAL AND ELECTRONICS ENGINEERING	
Course Outcome Attainment External Examination			
Academic Year: 2022-23			
Branch & Section:	EEE	Exam:	EXTERNAL
Course:	Non Conventional Sources Of Energy	Year/Semister:	IV-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)	
1	19Q61A0201	39	
2	19Q61A0202	36	
3	19Q61A0203	36	
4	19Q61A0204	30	
5	19Q61A0205	30	
6	19Q61A0206	33	
7	19Q61A0207	47	
8	19Q61A0208	33	
9	19Q61A0209	28	
10	19Q61A0210	39	
11	19Q61A0211	30	
12	19Q61A0212	-1	
13	19Q61A0213	31	
14	19Q61A0214	29	
15	19Q61A0215	27	
16	19Q61A0216	27	
17	19Q61A0217	29	
18	19Q61A0218	26	
19	19Q61A0219	32	
20	19Q61A0220	44	
21	19Q61A0221	-1	
22	19Q61A0222	-1	
23	19Q61A0223	27	
24	19Q61A0224	30	
25	19Q61A0225	32	
26	19Q61A0226	29	
27	19Q61A0227	31	
28	19Q61A0228	32	
29	19Q61A0229	30	
30	19Q61A0230	27	
31	19Q61A0231	27	
32	19Q61A0232	33	
33	19Q61A0233	30	
34	19Q61A0234	14	
35	19Q61A0235	28	
36	19Q61A0236	42	
37	19Q61A0237	26	
38	19Q61A0238	35	
39	19Q61A0239	37	
40	19Q61A0240	29	


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41	19Q61A0241	33
42	19Q61A0242	36
43	19Q61A0243	34
44	19Q61A0244	45
45	19Q61A0245	52
46	19Q61A0246	20
47	19Q61A0247	49
48	19Q61A0248	27
49	19Q61A0249	38
50	19Q61A0250	26
51	19Q61A0251	45
52	19Q61A0252	36
53	19Q61A0253	32
54	19Q61A0254	32

No. of students who attempted the subject	54
Max. Marks	75
No. of students secured > 26 marks	47
Percentage of students secured > 26 marks	87.0
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRICAL AND ELECTRONICS ENGINEERING				
Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3.00	-	3.00	3.00	3
Course outcome - 2	3.00	-	3.00	3.00	3
Course outcome - 3	3.00	3.00	3.00	3.00	3
Course outcome - 4	-	3.00	3.00	3.00	3
Course outcome - 5	-	3.00	3.00	3.00	3
Average			3.00	3.00	3

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Course Outcomes

CO1	Describe the Importance of Renewable Energy sources such as solar, wind, biomass, Ocean and tidal energy
CO2	Compare various renewable energy sources.
CO3	Identify applications of different renewable energy sources
CO4	Demonstrate the schematics of renewable energy systems.
CO5	Analyse and evaluate the implication of renewable energy. Concepts in solving numerical problems pertaining to solar radiation geometry and wind energy systems.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	3	2	2	2					2	2	2	2
CO2	2	2	2	2	3	2					2	2	2	2
CO3	2	2	2	2	2	2					2	2	2	2
CO4	3	3	3	3	2	3					2	2	2	2
CO5	3	3	3	2	2	3					2	2	2	2
CO avg(M)	2.2	2.2	2.5	2	2.5	2.33					2	2	2	2


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