NAME OF THE FACULTY :

DISCIPLINE

: MECHANICAL, CIVIL, ELECT, AUTO, ECE, COMPUTER

SEMESTER : SECOND

SUBJECT : ENGLISH LANGUAGE

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK

: Practicals = <u>2+2+2+2+2+2+2+2+2+2=20</u>

		THEORY	PRACTICAL		
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICA L	ΤΟΡΙϹ	
- 17	1	Prepositions			
1	2	Prepositions	1	Motivational Lecture	
	3	Framing Questions			
	4	Framing Questions		Debate	
2	5	Revision and Test	2	Debate	
	6	Conjunctions			
	7	Conjunctions		Telephonic Conversation:	
3	8	Practice of Conjunctions	3	general etiquette for making and receiving	
	9	Tenses		calls	
	10	Tenses		Offering- Responding	
4	11	Tenses	4	to offers	
	12	Revision		10 011018	
	13	Test of Tenses	5	Requesting-	
5	14	Unseen Paragraph for Comprehension		Responding to requests	
	15	Sessional Test			
-	16	Vocabulary enhancement		Congratulating	
6	17	Prefixe	6	congrataming	
	18	Suffixes			
7	19	One word substitution	7	Exploring sympathy	
/	20	Synonym	/	and condolences	
	21	Antonym			
	22	Revision		Asking Questions- Polite	
8	23	Business Letters	8	Responses	
	24	Floating Quotations			
	25	Placing Orders		A 1 · · · C · ·	
9	26	Complaint Letters	9	Apologizing, forgiving	
	27	Official Letters			
	28	Official Letters		Complaining	
10	29	Revision	10	Compremining	
	30	Sessional Test			

	31	Letters to Government and other Offices		Warning	
11	32	Memos	11	warning	
	33	Revision and Test			
	34	Circular		Asking and giving	
12	35	Circular	12	information	
	36	Office Orders			
13	37	Office Orders		Getting and giving permission	
	38	Agenda	13		
	39	Agenda			
	40	Minutes of Meeting		Asking for and giving	
14	41	Minutes of Meeting	14	opinions	
	42	Note making			
	43	Revision and discussion of previous year Q.			
15		Papers	15	Speaking Practice in all	
15	44	Revision and discussion of previous year Q.	15	Topics	
		Papers		10000	
	45	Sessional Test			

NAME OF THE FACULTY :

DISCIPLINE

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: ELECTRICAL, AUTO, PLASTIC, COMPUTER

SEMESTER : SECOND

SUBJECT : ENGLISH LANGUAGE

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK

: Lectures = <u>3+3+3+3+3</u>

Practicals = <u>2</u>

		THEORY	PRACTICAL		
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICA L	ΤΟΡΙϹ	
	1	Prepositions			
1	2	Prepositions	1	Motivational Lecture	
	3	Framing Questions			
_	4	Framing Questions		Debate	
2	5	Revision and Test	2	Debate	
	6	Conjunctions			
	7	Conjunctions		Telephonic Conversation:	
3	8	Practice of Conjunctions	3	general etiquette for making and receiving	
	9	Tenses		calls	
	10	Tenses		Offering_ Responding	
4	11	Tenses	4	to offers	
	12	Revision			
	13	Test of Tenses	5	Requesting –	
5	14	Unseen Paragraph for Comprehension		Responding to requests	
	15	Sessional Test			
6	16	Vocabulary enhancement		Congratulating	
6	17	Prefixe	6		
	18	Suffixes			
7	19	One word substitution	- 7	Exploring sympathy	
/	20	Synonym	/	and condolences	
	21	Antonym			
0	22	Revision	o	Asking Questions- Polite	
0	23	Business Letters	0	Responses	
	24	Floating Quotations			
	25	Placing Orders		Analogizing forgiving	
9	26	Complaint Letters	9	Apologizing, lorgiving	
	27	Official Letters			
	28	Official Letters		Complaining	
10	29	Revision	10		
	30	Sessional Test			

	31	Letters to Government and other Offices		Warning	
11	32	Memos	11	warning	
	33	Revision and Test			
	34	Circular		Asking and giving	
12	35	Circular	12	information	
	36	Office Orders			
13	37	Office Orders		Getting and giving permission	
	38	Agenda	13		
	39	Agenda			
	40	Minutes of Meeting		Asking for and giving	
14	41	Minutes of Meeting	14	opinions	
	42	Note making			
	43	Revision and discussion of previous year Q.		Speaking Practice in all	
15		Papers	15		
15	44	Revision and discussion of previous year Q.	15	Topics	
		Papers		ropios	
	45	Sessional Test			

NAME OF THE FACULTY

DISCIPLINE

: CIVIL, ECE, ARCH, ARCH UMRI,

SEMESTER : SECOND

SUBJECT : ENGLISH LANGUAGE

:

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK

: Lectures = <u>3+3+3+3</u>

Practicals = <u>2+2</u>

		THEORY	PRACTICAL		
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICA L	ΤΟΡΙϹ	
	1	Prepositions			
1	2	Prepositions	1	Motivational Lecture	
	3	Framing Questions			
	4	Framing Questions		Debate	
2	5	Revision and Test	2	Debate	
	6	Conjunctions			
	7	Conjunctions		Telephonic Conversation:	
3	8	Practice of Conjunctions	3	general etiquette for making and receiving	
	9	Tenses		calls	
	10	Tenses		Offering- Responding	
4	11	Tenses	4	to offers	
	12	Revision			
	13	Test of Tenses	5	Requesting –	
5	14	Unseen Paragraph for Comprehension		Responding to requests	
	15	Sessional Test			
	16	Vocabulary enhancement		Congratulating	
6	17	Prefixe	6		
	18	Suffixes			
7	19	One word substitution	7	Exploring sympathy	
/	20	Synonym	/	and condolences	
	21	Antonym			
	22	Revision		Asking Questions- Polite	
8	23	Business Letters	8	Responses	
	24	Floating Quotations			
	25	Placing Orders			
9	26	Complaint Letters	9	Apologizing, forgiving	
	27	Official Letters			
	28	Official Letters		Complaining	
10	29	Revision	10	Complaining	
	30	Sessional Test			

	31	Letters to Government and other Offices		Warning	
11	32	Memos	11	warning	
	33	Revision and Test			
	34	Circular		Asking and giving	
12	35	Circular	12	information	
	36	Office Orders			
13	37	Office Orders		Getting and giving permission	
	38	Agenda	13		
	39	Agenda			
	40	Minutes of Meeting		Asking for and giving	
14	41	Minutes of Meeting	14	opinions	
	42	Note making			
	43	Revision and discussion of previous year Q.			
15		Papers	15	Speaking Practice in all	
15	44	Revision and discussion of previous year Q.	15	Topics	
		Papers		10000	
	45	Sessional Test			

NAME OF THE FACULTY :

DISCIPLINE

: MECHANICAL, CIVIL, ELX & COMM

SEMESTER : SECOND

SUBJECT

: APPLIED MATHEMATICS

		THEORY	PRAC	CTICAL
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICAL	TOPIC
17	1	Definition of function, its types		
_	2	Concept of limits and problems - 1		
1	3	Concept of limits and problems - 2		
	4	Concept of limits and problems - 3		
	5	Concept of limits and problems - 4		
	6	Differentiation of x^n , sin x by first principle		
•	7	Differentiation of cos x, tan x by first principle		
2	8	Differentiation of e by first principle		
	9	Revision		
	10	Differentiation of sum		
	11	Differentiation of product		
	12	Differentiation of quotient of functions		
3	13	Differentiation of implicit functions		
	14	Examples & exercises		
	15	Differentiation of parametric functions		
	16	Differentiation of function of a function.		
	17	Differentiation of trigonometric function.		
4	18	Examples & exercises		
	19	Differentiation of inverse trigonometric functions.		
	20	functionsLogarithmic differentiation		
	21	Exponential differentiation		
~	22	Successive differentiation (upto 3 order)		
5	23	Examples & exercises and Assignment		
	24	Revision		
	25	Sessional Test		
	26	Application of diff. in Rate measures		
(27	Maxima and minima		
6	28	Maxima and minima		
	29	Equation of tangent and normal to a curve		
	30	Integration as inverse operation of differentiation		
	31	Examples & exercises		
7	32	Simple standard integrals		
/	33	Simple standard integrals		
	34	Integration by substitution		
	35	Integration by substitution		
	36	Examples & exercises		
8	37	Integration by Parts		
			1	

	39	Integration by Partial fractions	
	40	Integration by Partial fractions	
	41	Examples & exercises	
9	42	Evaluation of definite integrals with given limits.	
	43	Evaluation of definite integrals with given limits.	
	44	Evaluation of definite integrals with given limits.	
	45	Evaluation of definite integrals with given limits.	
	46	Applications of integration	
10	47	Applications of integration	
10	48	Examples & exercises	
	49	Revision	
	50	Sessional Test	
	51	$\pi/2$ Evaluation of $\int \sin x. d^n x$ 0	
11	52	$ \begin{array}{c} \pi/2 \\ \text{Evaluation of } \int \cos x dx^n \\ 0 \end{array} $	
	53	$\pi/2$ Evaluation of $\int \sin x \cos^m x^n dx$	
	54	Area under a curve and axes	
	55	Area under a curve and axes	
	56	Area under a curve and axes	
	57	Examples & exercises	
12	58	Revision & Assignment	
	59	Numerical integration by Trapezoidal Rule	
	60	Numerical integration by Trapezoidal Rule	
	61	Numerical integration by Simpson's 1/3 rd Rule	
	62	Numerical integration by Simpson's 1/3 rd Rule	
13	63	Differential Equations Definition, order, degree	
	64	Linearity, of an ordinary differential equation.	
	65	Formation of differential equation (upto 2 nd order)	
	66	Formation of differential equation (upto 2 nd order)	
	67	Formation of differential equation (upto 2 nd order)	
14	68	Examples & exercises	
	69	Solution of differential equations of first order with variable separable method only	
	70	Solution of differential equations of first order	
	71	Solution of differential equations of first order	
15	72	Revision and discussion of previous year Q. Papers	
15	73	Revision and discussion of previous year O. Papers	
	74	Revision and discussion of previous year Q. Papers	
	75	Sessional Test	

NAME OF THE FACULTY

DISCIPLINE

: SECOND SEMESTER

: APPLIED MATHEMATICS SUBJECT

:

LESSION PLAN DURATION : 15 WEEKS

 WORK LOAD PER WEEK
 :
 Lectures = <u>15</u>
 Practicals = _____

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: CIVIL, PLASTIC, COMP

		THEORY	PRACTICAL		
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICAL	ΤΟΡΙϹ	
1	1	Definition of function, its types			
	2	Concept of limits and problems - 1			
	3	Concept of limits and problems - 2			
	4	Concept of limits and problems - 3			
	5	Concept of limits and problems - 4			
	6	Differentiation of x^n , sin x by first principle			
	7	Differentiation of cos x, tan x by first principle			
2	8	Differentiation of e by first principle			
	9	Revision			
	10	Differentiation of sum			
	11	Differentiation of product			
2	12	Differentiation of quotient of functions			
3	13	Differentiation of implicit functions			
	14	Examples & exercises			
	15	Differentiation of parametric functions			
	16	Differentiation of function of a function.			
4	17	Differentiation of trigonometric function.			
4	18	Examples & exercises			
	19	Differentiation of inverse trigonometric functions.			
	20	functionsLogarithmic differentiation			
	21	Exponential differentiation			
5	22	Successive differentiation (upto 3 order)			
3	23	Examples & exercises and Assignment			
	24	Revision			
	25	Sessional Test			
	26	Application of diff. in Rate measures			
6	27	Maxima and minima			
0	28	Maxima and minima			
	29	Equation of tangent and normal to a curve			
	30	Integration as inverse operation of differentiation			
	31	Examples & exercises			
7	32	Simple standard integrals			
/	33	Simple standard integrals			
	34	Integration by substitution			
	35	Integration by substitution			

	36	Examples & exercises	
	37	Integration by Parts	
8	38	Integration by Parts	
	39	Integration by Partial fractions	
	40	Integration by Partial fractions	
	41	Examples & exercises	
9	42	Evaluation of definite integrals with given limits.	
	43	Evaluation of definite integrals with given limits.	
	44	Evaluation of definite integrals with given limits.	
	45	Evaluation of definite integrals with given limits.	
	46	Applications of integration	
10	47	Applications of integration	
	48	Examples & exercises	
	49	Revision	
	50	Sessional Test	
	51	$\pi/2$	
	51	Evaluation of J sin x. dx	
		π/2	
11	52	Evaluation of $\int \cos x dx^n$	
	-	0	
	53	$\pi/2$	
		Evaluation of $\int \sin x \cos x dx$	
	54	Area under a curve and axes	
	55	Area under a curve and axes	
	56	Area under a curve and axes	
10	57	Examples & exercises	
12	58	Revision & Assignment	
	59	Numerical integration by Trapezoidal Rule	
	60	Numerical integration by Trapezoidal Rule	
	61	Numerical integration by Simpson's 1/3 rd Rule	
13	62	Numerical integration by Simpson's 1/3 rd Rule	
15	63	Differential Equations Definition, order, degree	
	64	Linearity, of an ordinary differential equation.	
	65	Formation of differential equation (upto 2 order)	
	66	Formation of differential equation (upto 2 ¹⁰ order)	
	67	Formation of differential equation (upto 2 nd order)	
14	68	Examples & exercises	
	69	Solution of differential equations of first order with	
	03	variable separable method only	
	70	Solution of differential equations of first order	
	71	Solution of differential equations of first order	
15	72	Revision and discussion of previous year Q. Papers	
15	73	Revision and discussion of previous year Q. Papers	
	74	Revision and discussion of previous year Q. Papers	
	75	Sessional Test	

NAME OF THE FACULTY

DISCIPLINE

SEMESTER

: MECHANICAL, CIVIL, AUTO

: APPLIED MATHEMATICS

: SECOND

SUBJECT

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LESSION PLAN DURATION : 15 WEEKS

:

 WORK LOAD PER WEEK
 :
 Lectures = <u>15</u>
 Practicals = _____

		THEORY	PRACTICAL	
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICAL	ΤΟΡΙΟ
1	1	Definition of function, its types		
	2	Concept of limits and problems - 1		
	3	Concept of limits and problems - 2		
	4	Concept of limits and problems - 3		
	5	Concept of limits and problems - 4		
	6	Differentiation of x^n , sin x by first principle		
2	7	Differentiation of cos x, tan x by first principle		
	8	Differentiation of e by first principle		
	9	Revision		
	10	Differentiation of sum		
	11	Differentiation of product		
2	12	Differentiation of quotient of functions		
3	13	Differentiation of implicit functions		
	14	Examples & exercises		
	15	Differentiation of parametric functions		
	16	Differentiation of function of a function.		
1	17	Differentiation of trigonometric function.		
4	18	Examples & exercises		
	19	Differentiation of inverse trigonometric functions.		
	20	functionsLogarithmic differentiation		
	21	Exponential differentiation		
5	22	Successive differentiation (upto 3 rd order)		
5	23	Examples & exercises and Assignment		
	24	Revision		
	25	Sessional Test		
	26	Application of diff. in Rate measures		
6	27	Maxima and minima		
0	28	Maxima and minima		
	29	Equation of tangent and normal to a curve		
	30	Integration as inverse operation of differentiation		
	31	Examples & exercises		
7	32	Simple standard integrals		
/	33	Simple standard integrals		
	34	Integration by substitution		
	35	Integration by substitution		

	36	Examples & exercises	
	37	Integration by Parts	
8	38	Integration by Parts	
	39	Integration by Partial fractions	
	40	Integration by Partial fractions	
	41	Examples & exercises	
9	42	Evaluation of definite integrals with given limits.	
	43	Evaluation of definite integrals with given limits.	
	44	Evaluation of definite integrals with given limits.	
	45	Evaluation of definite integrals with given limits.	
	46	Applications of integration	
10	47	Applications of integration	
	48	Examples & exercises	
	49	Revision	
	50	Sessional Test	
	51	$\pi/2$	
	51	Evaluation of J sin x. dx	
		π/2	
11	52	Evaluation of $\int \cos x dx^n$	
	-	0	
	53	$\pi/2$	
		Evaluation of $\int \sin x \cos x dx$	
	54	Area under a curve and axes	
	55	Area under a curve and axes	
	56	Area under a curve and axes	
10	57	Examples & exercises	
12	58	Revision & Assignment	
	59	Numerical integration by Trapezoidal Rule	
	60	Numerical integration by Trapezoidal Rule	
	61	Numerical integration by Simpson's 1/3 rd Rule	
13	62	Numerical integration by Simpson's 1/3 rd Rule	
15	63	Differential Equations Definition, order, degree	
	64	Linearity, of an ordinary differential equation.	
	65	Formation of differential equation (upto 2 order)	
	66	Formation of differential equation (upto 2 "order)	
	67	Formation of differential equation (upto 2 nd order)	
14	68	Examples & exercises	
	69	Solution of differential equations of first order with	
	03	variable separable method only	
	70	Solution of differential equations of first order	
	71	Solution of differential equations of first order	
15	72	Revision and discussion of previous year Q. Papers	
1.5	73	Revision and discussion of previous year Q. Papers	
	74	Revision and discussion of previous year Q. Papers	
	75	Sessional Test	

NAME OF THE FACULTY :

DISCIPLINE

: ELECTRICAL

: SECOND SEMESTER

SUBJECT

: APPLIED MATHEMATICS

		THEORY	PRACTICAL		
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICAL	TOPIC	
17	1	Definition of function, its types			
1	2	Concept of limits and problems - 1			
	3	Concept of limits and problems - 2			
	4	Concept of limits and problems - 3			
	5	Concept of limits and problems - 4			
	6	Differentiation of x^n , sin x by first principle			
2	7	Differentiation of cos x, tan x by first principle			
2	8	Differentiation of e by first principle			
	9	Revision			
	10	Differentiation of sum			
	11	Differentiation of product			
3	12	Differentiation of quotient of functions			
	13	Differentiation of implicit functions			
	14	Examples & exercises			
	15	Differentiation of parametric functions			
	16	Differentiation of function of a function.			
	17	Differentiation of trigonometric function.			
4	18	Examples & exercises			
	19	Differentiation of inverse trigonometric functions.			
	20	functionsLogarithmic differentiation			
	21	Exponential differentiation			
~	22	Successive differentiation (upto 3 order)			
5	23	Examples & exercises and Assignment			
	24	Revision			
	25	Sessional Test			
	26	Application of diff. in Rate measures			
-	27	Maxima and minima			
)	28	Maxima and minima			
	29	Equation of tangent and normal to a curve			
	30	Integration as inverse operation of differentiation			
	31	Examples & exercises			
_	32	Simple standard integrals	1		
/	33	Simple standard integrals	1		
	34	Integration by substitution	1		
	35	Integration by substitution			

8	36	Examples & exercises	
	37	Integration by Parts	
	38	Integration by Parts	
	39	Integration by Partial fractions	
	40	Integration by Partial fractions	
	41	Examples & exercises	
9	42	Evaluation of definite integrals with given limits.	
	43	Evaluation of definite integrals with given limits.	
	44	Evaluation of definite integrals with given limits.	
	45	Evaluation of definite integrals with given limits.	
	46	Applications of integration	
10	47	Applications of integration	
10	48	Examples & exercises	
	49	Revision	
-	50	Sessional Test	
	51	$\pi/2$	
	51	Evaluation of J sin x. dx	
		π/2	
11	52	Evaluation of $\int \cos x dx^n$	
		0	
	53	$\pi/2$	
	55	Evaluation of $\int \sin x \cos x dx$	
	54	Area under a curve and axes	
	55	Area under a curve and axes	
	56	Area under a curve and axes	
10	57	Examples & exercises	
12	58	Revision & Assignment	
	59	Numerical integration by Trapezoidal Rule	
	60	Numerical integration by Trapezoidal Rule	
	61	Numerical integration by Simpson's 1/3 rd Rule	
13	62	Numerical integration by Simpson's 1/3 rd Rule	
15	63	Differential Equations Definition, order, degree	
	64	Linearity, of an ordinary differential equation.	
	65	Formation of differential equation (upto 2 order)	
	66	Formation of differential equation (upto 2 order)	
	67	Formation of differential equation (upto 2 nd order)	
14	68	Examples & exercises	
	69	Solution of differential equations of first order with	
		variable separable method only	
	70	Solution of differential equations of first order	
	71	Solution of differential equations of first order	
15	72	Revision and discussion of previous year Q. Papers	
	73	Revision and discussion of previous year Q. Papers	
	/4	Revision and discussion of previous year Q. Papers	
	75	Sessional Test	

NAME OF THE FACULTY :

DISCIPLINE

: MECHANICAL, CIVIL, ELX & COMM

SEMESTER : SECOND

SUBJECT : APPLIED PHYSICS

		THEORY	F	PRACTICAL
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICA	ТОРІС
_1/	1	Wave motion		To find the time
1	2	Transverse and longitudinal wave motion with examples	1	period of a simple
1	3	Displacement, amplitude, time period, frequency		pendulum
	4	Wavelength, wave velocity		
	5	Relationship among wave velocity		To determine and
2	6	Frequency and wave length	2	verify the time period
2	7	Simple Harmonic Motion (SHM): definition, examples	2	of Cantilever
	8	Cantilever (definition ,formula of time period		
	9	Free, forced and resonant vibrations with examples		
	10	Acoustics of buildings - reverberation, reverberation time		Checking of files &
3	11	Echo, noise, coefficient of absorption of sound, methods to control reverberation time	3	viva-voce
	12	Ultrasonics – Introduction		
	13	Ultrasonics and their engineering applications		To verify ohm's laws
4	14	Problem solving and Assignment		by plotting a graph
4	15	Reflection and refraction with laws, refractive index, lens formula & power of lens	4	between voltage and current.
	16	Total internal reflection and its applications,		
	17	Critical angle and conditions for total internal reflection		To verify laws of
5	18	Microscope, Telescope and Uses	5	resistances in series
	19	Revision		combination.
	20	Sessional Test		
	21	Coulombs law, unit charge		To verify laws of
6	22	Electric field, Electric lines of force & Electric flux,	6	resistance in parallel
	23	Electric Intensity and Electric potential, Electric field intensity		combination.
	24	due to a point charge. Gauss law, Capacitor and Capacitance		
	25	Series and parallel combination of capacitors		
7	26	Dielectric, its effect on capacitance, dielectric break down	7	Checking of files &
	27	Problem solving and Assignment		viva-voce
	28	Revision		
	29	Electric Current and its Unit		To find resistance of
8	30	Direct and alternating current	8	galvanometer by half
	31	Resistance and Specific Resistance		deflection method
	32	Conductance		

	33	Series and Parallel combination of Resistances		Conversion of	
9	34	Ohm's law	9	Galvanometer into an	
	35	Superconductivity and Heating effect of current		Ammeter of given	
	36	Electric power, Electric energy and its units		Tange.	
	37	Kirchhoff's laws			
10	38	Applications as Wheatstone bridge	10	Checking of files &	
	39	Revision, Problem solving		viva-voce	
	40	Sessional Test			
	41	Introduction to magnetism, Types of magnetic materials		To identify different	
11	42	Dia, para and ferromagnetic materials with examples.	11	components like	
11	43	Magnetic field, magnetic intensity	11	resistance, capacitor, diode.	
	44	Magnetic lines of force, magnetic flux and their units			
	45	Electromagnetic induction Faraday's Laws		To study colour	
12	46	Self and Mutual induction	12	coding scheme of	
	47	Energy bands, Insulator, semi conductor, conductor		resistance.	
	48	Intrinsic and extrinsic semiconductors			
	49	p-n junction diode and its V-I characteristics		Checking of files & viva-voce	
13	50	Diode as rectifier	13		
	51	half wave and full wave rectifier semiconductor transistor; pnp and npn			
	52	Application of semiconductor diodes (Zener, LED)			
	53	Problem solving and Assignment			
14	54	Lasers: full form, characteristics	14	Revision of practicals	
	55	Engineering and medical applications of lasers		1	
	56	Introduction to optical fibers & its Applications			
	57	Introduction to nanotechnology & its Application			
15	58	Revision and discussion of previous year Q. Papers	15	Revision of practicals	
	59	Revision and discussion of previous year Q. Papers			
	60	Sessional Test			

NAME OF THE FACULTY :

DISCIPLINE

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: MECHANICAL, CIVIL, ELECTRICAL (B)

SEMESTER : SECOND

SUBJECT : APPLIED PHYSICS

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK : Lectures = <u>4+4+4</u> _____

Practicals = 4+4

		THEORY	PRACTICAL	
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICA L	ΤΟΡΙϹ
	1	Wave motion		To find the time
1	2	Transverse and longitudinal wave motion with examples	1	period of a simple
	3	Displacement, amplitude, time period, frequency	-	pendulum
	4	Wavelength, wave velocity		
	5	Relationship among wave velocity		To determine and
2	6	Frequency and wave length	2	verify the time period
	7	Simple Harmonic Motion (SHM): definition, examples		of Cantilever
	8	Cantilever (definition , formula of time period		
	9	Free, forced and resonant vibrations with examples		
	10	Acoustics of buildings - reverberation, reverberation time		Checking of files &
3	11	Echo, noise, coefficient of absorption of sound, methods to control reverberation time	3	viva-voce
	12	Ultrasonics – Introduction		
	13	Ultrasonics and their engineering applications		To verify ohm's laws
4	14	Problem solving and Assignment	- 1	hy plotting a graph
4	15	Reflection and refraction with laws, refractive index, lens formula & power of lens	4	between voltage and
	16	Total internal reflection and its applications,		current.
	17	Critical angle and conditions for total internal reflection		To verify laws of resistances in series
5	18	Microscope, Telescope and Uses	5	
	19	Revision		combination.
	20	Sessional Test		
	21	Coulombs law, unit charge		To verify laws of
6	22	Electric field, Electric lines of force & Electric flux,	6	resistance in narallel
	23	Electric Intensity and Electric potential, Electric field intensity		combination
	24	Gauss law, Capacitor and Capacitance		
	25	Series and parallel combination of capacitors		
7	26	Dielectric, its effect on capacitance, dielectric break down	7	Checking of files &
	27	Problem solving and Assignment		viva-voce
	28	Revision		
	29	Electric Current and its Unit		To find resistance of
8	30	Direct and alternating current	8	galvanometer by half
	31	Resistance and Specific Resistance		deflection method
	32	Conductance		

9	33	Series and Parallel combination of Resistances		Conversion of	
	34	Ohm's law	9	Galvanometer into an	
	35	Superconductivity and Heating effect of current		Ammeter of given	
	36	Electric power, Electric energy and its units		range.	
	37	Kirchhoff's laws			
10	38	Applications as Wheatstone bridge	10	Checking of files &	
	39	Revision, Problem solving		viva-voce	
	40	Sessional Test			
	41	Introduction to magnetism, Types of magnetic materials		To identify different	
11	42	Dia, para and ferromagnetic materials with examples.	11	components like	
11	43	Magnetic field, magnetic intensity	11	resistance, capacitor, diode.	
	44	Magnetic lines of force, magnetic flux and their units			
	45	Electromagnetic induction Faraday's Laws		m / 1 1	
12	46	Self and Mutual induction	12	coding scheme of	
	47	Energy bands, Insulator, semi conductor, conductor			
	48	Intrinsic and extrinsic semiconductors			
	49	p-n junction diode and its V-I characteristics		Checking of files & viva-voce	
13	50	Diode as rectifier	13		
	51	half wave and full wave rectifier semiconductor transistor; pnp and npn			
	52	Application of semiconductor diodes (Zener, LED)			
	53	Problem solving and Assignment			
14	54	Lasers: full form, characteristics	14	Revision of practicals	
	55	Engineering and medical applications of lasers		1	
	56	Introduction to optical fibers & its Applications			
	57	Introduction to nanotechnology & its Application			
15	58	Revision and discussion of previous year Q. Papers	15	Revision of practicals	
	59	Revision and discussion of previous year Q. Papers			
	60	Sessional Test	1		

NAME OF THE FACULTY :

DISCIPLINE

: ELECTRICAL ENGG (A), AUTOMOBILE

SEMESTER : SECOND

SUBJECT : APPLIED PHYSICS

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK : Lectures = <u>4+4</u>

Practicals = _____

		THEORY	PRACTICAL		
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICA L	ΤΟΡΙΟ	
	1	Wave motion			
1	2	Transverse and longitudinal wave motion with examples	1		
	3	Displacement, amplitude, time period, frequency			
	4	Wavelength, wave velocity			
	5	Relationship among wave velocity			
2	6	Frequency and wave length	2		
_	7	Simple Harmonic Motion (SHM): definition, examples			
	8	Cantilever (definition ,formula of time period			
	9	Free, forced and resonant vibrations with examples			
	10	Acoustics of buildings - reverberation, reverberation			
3	11	time Echo, noise, coefficient of absorption of sound, methods to control reverberation time	3		
	12	Ultrasonics – Introduction			
	13	Ultrasonics and their engineering applications			
4	14	Problem solving and Assignment	4		
4	15	Reflection and refraction with laws, refractive index, lens formula & power of lens	4		
	16	Total internal reflection and its applications,			
	17	Critical angle and conditions for total internal reflection			
5	18	Microscope, Telescope and Uses	5		
	19	Revision			
	20	Sessional Test			
	21	Coulombs law, unit charge			
6	22	Electric field, Electric lines of force & Electric flux,	6		
	23	Electric Intensity and Electric potential, Electric field			
	24	intensity due to a point charge Gauss law, Capacitor and Capacitance			
	25	Series and parallel combination of capacitors			
7	26	Dielectric, its effect on capacitance, dielectric break	7		
	27	down Problem solving and Assignment			
	28	Revision			
	29	Electric Current and its Unit			
8	30	Direct and alternating current	8		
	31	Resistance and Specific Resistance			
	32	Conductance			

	33	Series and Parallel combination of Resistances		
9	34	Ohm's law	9	
-	35	Superconductivity and Heating effect of current		
	36	Electric power, Electric energy and its units		
	37	Kirchhoff's laws		
10	38	Applications as Wheatstone bridge	10	
-	39	Revision, Problem solving		
	40	Sessional Test		
	41	Introduction to magnetism, Types of magnetic materials		
11	42	Dia, para and ferromagnetic materials with examples.	11	
11	43	Magnetic field, magnetic intensity	11	
	44	Magnetic lines of force, magnetic flux and their units		
	45	Electromagnetic induction Faraday's Laws		
12	46	Self and Mutual induction	12	
	47	Energy bands, Insulator, semi conductor, conductor		
	48	Intrinsic and extrinsic semiconductors		
	49	p-n junction diode and its V-I characteristics		
13	50	Diode as rectifier	13	
	51	half wave and full wave rectifier semiconductor transistor; pnp and npn		
	52	Application of semiconductor diodes (Zener, LED)		
	53	Problem solving and Assignment		
14	54	Lasers: full form, characteristics	14	
	55	Engineering and medical applications of lasers		
	56	Introduction to optical fibers & its Applications		
	57	Introduction to nanotechnology & its Application		
15	58	Revision and discussion of previous year Q. Papers	15	
	59	Revision and discussion of previous year Q. Papers		
	60	Sessional Test		

NAME OF THE FACULTY

DISCIPLINE

: CIVIL, ELCTRICAL (A), AUTO

SEMESTER : SECOND

SUBJECT : APPLIED PHYSICS

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK

: Lectures = 4 Practicals = 4+4+4

PRACTICAL THEORY WEE LECTURE PRACTICA **TOPIC (WITH ASSIGNMENT & TESTS)** TOPIC DAY L 1 Wave motion To find the time 2 Transverse and longitudinal wave motion with examples period of a simple 1 1 3 Displacement, amplitude, time period, frequency pendulum 4 Wavelength, wave velocity 5 Relationship among wave velocity To determine and 6 Frequency and wave length verify the time period 2 2 7 Simple Harmonic Motion (SHM): definition, examples of Cantilever 8 Cantilever (definition ,formula of time period 9 Free, forced and resonant vibrations with examples 10 Acoustics of buildings - reverberation, reverberation time Checking of files & 3 11 Echo, noise, coefficient of absorption of sound, methods to 3 viva-voce control reverberation time 12 Ultrasonics - Introduction Ultrasonics and their engineering applications 13 To verify ohm's laws 14 Problem solving and Assignment by plotting a graph 4 4 Reflection and refraction with laws, refractive index, lens 15 between voltage and formula & power of lens current. 16 Total internal reflection and its applications, To verify laws of 17 Critical angle and conditions for total internal reflection resistances in series 18 Microscope, Telescope and Uses 5 5 combination. 19 Revision 20 Sessional Test 21 Coulombs law, unit charge To verify laws of 22 Electric field, Electric lines of force & Electric flux, 6 6 resistance in parallel Electric Intensity and Electric potential, Electric field intensity 23 combination. due to a point charge trauss law. Capacitor and Capacitance 24 25 Series and parallel combination of capacitors Checking of files & 26 Dielectric, its effect on capacitance, dielectric break down 7 7 viva-voce 27 Problem solving and Assignment 28 Revision 29 Electric Current and its Unit To find resistance of 30 Direct and alternating current 8 8 galvanometer by half 31 Resistance and Specific Resistance deflection method 32 Conductance

9	33	Series and Parallel combination of Resistances		Conversion of	
	34	Ohm's law	9	Galvanometer into an	
	35	Superconductivity and Heating effect of current		Ammeter of given	
	36	Electric power, Electric energy and its units		range.	
	37	Kirchhoff's laws			
10	38	Applications as Wheatstone bridge	10	Checking of files &	
-	39	Revision, Problem solving		viva-voce	
	40	Sessional Test			
	41	Introduction to magnetism, Types of magnetic materials		To identify different	
11	42	Dia, para and ferromagnetic materials with examples.	11	components like	
11	43	Magnetic field, magnetic intensity		resistance, capacitor, diode.	
	44	Magnetic lines of force, magnetic flux and their units			
	45	Electromagnetic induction Faraday's Laws		To study colour coding scheme of resistance.	
12	46	Self and Mutual induction	12		
	47	Energy bands, Insulator, semi conductor, conductor			
	48	Intrinsic and extrinsic semiconductors			
	49	p-n junction diode and its V-I characteristics		Checking of files &	
13	50	Diode as rectifier	13		
	51	half wave and full wave rectifier semiconductor transistor; pnp and npn		viva-voce	
	52	Application of semiconductor diodes (Zener, LED)			
	53	Problem solving and Assignment			
14	54	Lasers: full form, characteristics	14	Revision of practicals	
	55	Engineering and medical applications of lasers		1	
	56	Introduction to optical fibers & its Applications			
	57	Introduction to nanotechnology & its Application			
15	58	Revision and discussion of previous year Q. Papers	15	Revision of practicals	
	59	Revision and discussion of previous year Q. Papers			
	60	Sessional Test			

NAME OF THE FACULTY :

DISCIPLINE

: PLASTIC, ECE, ELECTRICAL

SEMESTER : SECOND

: APPLIED PHYSICS SUBJECT

WORI	WORK LOAD PER WEEK: Lectures = $\underline{4+}$ Practicals = $\underline{4+4+4}$				
		THEORY	F	PRACTICAL	
WEE	LECTURE DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACTICA L	ΤΟΡΙΟ	
	1	Wave motion		To find the time	
1	2	Transverse and longitudinal wave motion with examples	1	period of a simple	
	3	Displacement, amplitude, time period, frequency		pendulum	
	4	Wavelength, wave velocity		ī	
	5	Relationship among wave velocity		To determine and	
2	6	Frequency and wave length	2	verify the time period	
_	7	Simple Harmonic Motion (SHM): definition, examples		of Cantilever	
	8	Cantilever (definition , formula of time period		or culture ver	
	9	Free, forced and resonant vibrations with examples			
	10	Acoustics of buildings - reverberation, reverberation time		Checking of files & viva-voce	
3	11	Echo, noise, coefficient of absorption of sound, methods to control reverberation time	3		
	12	Ultrasonics – Introduction			
	13	Ultrasonics and their engineering applications		To varify abm's laws	
	14	Problem solving and Assignment		10 vering onning laws	
4	15	Reflection and refraction with laws, refractive index, lens formula & power of lens	4	between voltage and	
	16	Total internal reflection and its applications,		current.	
	17	Critical angle and conditions for total internal reflection		To verify laws of resistances in series	
5	18	Microscope, Telescope and Uses	5		
	19	Revision		combination.	
	20	Sessional Test			
	21	Coulombs law, unit charge		To verify laws of	
6	22	Electric field, Electric lines of force & Electric flux,	6	registence in parallel	
	23	Electric Intensity and Electric potential, Electric field intensity		combination	
	24	due to a point charge. Gauss law, Capacitor and Capacitance		comonation.	
	25	Series and parallel combination of capacitors			
7	26	Dielectric, its effect on capacitance, dielectric break down	7	Checking of files &	
	27	Problem solving and Assignment		viva-voce	
	28	Revision			
	29	Electric Current and its Unit		To find resistance of	
8	30	Direct and alternating current	8	alvanometer by half	
	31	Resistance and Specific Resistance		deflection method	
	32	Conductance			

9	33	Series and Parallel combination of Resistances		Conversion of	
	34	Ohm's law	9	Galvanometer into an	
	35	Superconductivity and Heating effect of current		Ammeter of given	
	36	Electric power, Electric energy and its units		range.	
	37	Kirchhoff's laws			
10	38	Applications as Wheatstone bridge	10	Checking of files &	
-	39	Revision, Problem solving		viva-voce	
	40	Sessional Test			
	41	Introduction to magnetism, Types of magnetic materials		To identify different	
11	42	Dia, para and ferromagnetic materials with examples.	11	components like	
11	43	Magnetic field, magnetic intensity		resistance, capacitor, diode.	
	44	Magnetic lines of force, magnetic flux and their units			
	45	Electromagnetic induction Faraday's Laws		To study colour coding scheme of resistance.	
12	46	Self and Mutual induction	12		
	47	Energy bands, Insulator, semi conductor, conductor			
	48	Intrinsic and extrinsic semiconductors			
	49	p-n junction diode and its V-I characteristics		Checking of files &	
13	50	Diode as rectifier	13		
	51	half wave and full wave rectifier semiconductor transistor; pnp and npn		viva-voce	
	52	Application of semiconductor diodes (Zener, LED)			
	53	Problem solving and Assignment			
14	54	Lasers: full form, characteristics	14	Revision of practicals	
	55	Engineering and medical applications of lasers		1	
	56	Introduction to optical fibers & its Applications			
	57	Introduction to nanotechnology & its Application			
15	58	Revision and discussion of previous year Q. Papers	15	Revision of practicals	
	59	Revision and discussion of previous year Q. Papers			
	60	Sessional Test			

NAME OF THE FACULTY :

DISCIPLINE

: MECHANICAL, CIVIL, PLASTIC

SEMESTER : SECOND

SUBJECT : APPLIED CHEMISTRY

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK: Lectures = 3+3+3

Practicals = 4+4

		THEORY	PRACTICAL		
WEEK	LECTURI DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACT CAL DAY	ТОРІС	
	1	General metallurgical terms			
1	2	Metallurgy operations with reference to iron	1	Gravimetric analysis	
	3	Metallurgy operations with copper			
	4	Metallurgy operations with aluminium		Determination of	
2	5	Manufacture of steel- Open hearth process.		percentage purity of	
2	6	Alloys, properties and applications of ferrous alloys	2	commercial sample of blue vitriol using N/20 Na2S2O3	
	7	Alloys- different alloys their uses		11/2011/02/03.	
2	8	Revision	3	Revision and Viva	
3	9	Test	1		
	10	Definition of corrosion, its types and factors affecting corrosion rate	4	Gravimetric estimation of	
4	11	Wet corrosion, Positivity		moisture in the given	
	12	Metallic Coating		coal sample	
	13	Inorganic coatings, Organic coatings heat treatment		Determination of	
	14	Revision]	percentage composition of volatile/non-volatile matter in the given coal sample	
5	15	Sessional Test	5		
	16	Definition of fuel, classification, characteristics	1		
6	17	Comparison of fuels, Calorific value	6	Revision and Viva	
	18	Bomb Calorimeter and numerical	1		
	19	Types of Coal and Proximate Analysis		Gravimetric	
7	20	Octave number and Cetane number	7	estimation of ash	
	21	Gaseous fuel- CNG, LPG, Producer gas		content in the given coal sample	
-	22	Water gas and biogas, hydrogen as future fuels,		Determination of	
0	23	Recleanfuels		viscosity of given	
8	24	Test	8	liquid using Redwood viscometers	
	25	Definition of Lubricant and boundary Lubricant		Determination of	
	25	hydrodynamic, boundary lubrication		flash point of given	
9	26	liquid lubricants, solid lubricants, semi-solid lubricants and synthetic lubricants	9	lubricating oil using Able's flash point	

	27	Physical properties of Lubricant		apparatus
10	28	Chemical properties of Lubricant	10	Revision and Viva
	29	Revision		
	30	Sessional Test		
11	31	Applications of cutting fluids, types and the that govern the selection of cutting fluids factors	11	To study the effect of metal coupling on corrosion of iron
	32	Definition and types and applications of- Ceramics,		
	33	Refractory and Composite materials		
	34	Glass-chemical composition and application of Soda,		
12	35	Befinsiliente faltapolymenlglassesmonomer and degree of polymerization	12	Revision and Viva
	36	Addition and condensation polymers	ĺ.	
	37	(PE, PS, PVC, Teflon, Nylon -66 and Bakelite)	13	Detection of iron metal in the given solution of rust
13	38	Definition of plastics, thermo plastics and thermo setting plastics		
	39	Distinctions between thermo plastics and thermo		
14	40	Apple ations of polymers in industry and daily life	14	Revision and Viva
	41	Revision		
	42	Doubt Quarries and Revision		
15	43	Revision and discussion of previous year Q. Papers	15	Revision and Viva
	44	Revision and discussion of previous year Q. Papers		
	45	Sessional Test		

NAME OF THE FACULTY :

DISCIPLINE

: MECHANICAL, CIVIL, AUTO

SEMESTER : SECOND

SUBJECT : APPLIED CHEMISTRY

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK: Lectures = 3+3+3

res = 3+3+3 **Practicals** = 4+4+4

WEEK	THEORY		PRACTICAL	
	LECTURI DAY	TOPIC (WITH ASSIGNMENT & TESTS)	PRACT CAL DAY	ΤΟΡΙϹ
	1	General metallurgical terms	1	Gravimetric analysis
1	2	Metallurgy operations with reference to iron		
	3	Metallurgy operations with copper		
	4	Metallurgy operations with aluminium	2	Determination of percentage purity of commercial sample of blue vitriol using N/20 Na2S2O3
	5	Manufacture of steel- Open hearth process.		
2	6	Alloys, properties and applications of ferrous alloys		
	7	Alloys- different alloys their uses		Revision and Viva
2	8	Revision	3	
3	9	Test	1	
	10	Definition of corrosion, its types and factors affecting corrosion rate		Gravimetric estimation of moisture in the given coal sample
4	11	Wet corrosion, Positivity	4	
	12	Metallic Coating		
	13	Inorganic coatings, Organic coatings heat treatment		Determination of percentage composition of volatile/non-volatile matter in the given coal sample
	14	Revision	5	
5	15	Sessional Test		
	16	Definition of fuel, classification, characteristics	6	Revision and Viva
6	17	Comparison of fuels, Calorific value		
	18	Bomb Calorimeter and numerical		
	19	Types of Coal and Proximate Analysis	7	Gravimetric estimation of ash content in the given coal sample Determination of viscosity of given liquid using Redwood viscometers
7	20	Octave number and Cetane number		
	21	Gaseous fuel- CNG, LPG, Producer gas		
	22	Water gas and biogas, hydrogen as future fuels,		
	23	Ruoleannfuels	1	
8	24	Test	8	
9	25	Definition of Lubricant and boundary Lubricant	9	Determination of
		hydrodynamic, boundary lubrication		flash point of given lubricating oil using Able's flash point
	26	liquid lubricants, solid lubricants, semi-solid lubricants and synthetic lubricants		

	27	Physical properties of Lubricant		apparatus
10	28	Chemical properties of Lubricant	10	Revision and Viva
	29	Revision		
	30	Sessional Test		
11	31	Applications of cutting fluids, types and the that govern the selection of cutting fluids factors	11	To study the effect of metal coupling on corrosion of iron
	32	Definition and types and applications of- Ceramics,		
	33	Refractory and Composite materials		
12	34	Glass-chemical composition and application of Soda,		
	35	Befinsiliente faltapolymenlglassesmonomer and degree of polymerization	12	Revision and Viva
	36	Addition and condensation polymers		
	37	(PE, PS, PVC, Teflon, Nylon -66 and Bakelite)	13	Detection of iron metal in the given solution of rust
13	38	Definition of plastics, thermo plastics and thermo setting plastics		
	39	Distinctions between thermo plastics and thermo		
14	40	Apple ations of polymers in industry and daily life	14	Revision and Viva
	41	Revision		
	42	Doubt Quarries and Revision		
15	43	Revision and discussion of previous year Q. Papers	15	Revision and Viva
	44	Revision and discussion of previous year Q. Papers		
	45	Sessional Test		

NAME OF THE FACULTY

DISCIPLINE

: CIVIL (C), PLASTIC

SEMESTER : SECOND

SUBJECT

: APPLIED CHEMISTRY

:

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK : Lectures = <u>3</u> Practicals = $\underline{4+4}$

WEEK	THEORY			PRACTICAL	
	LECTUR DAY	E TOPIC (WITH ASSIGNMENT & TESTS)	PRACT CAL DAY	TOPIC	
	1	General metallurgical terms	1	Gravimetric analysis	
1	2	Metallurgy operations with reference to iron			
	3	Metallurgy operations with copper			
	4	Metallurgy operations with aluminium	2	Determination of percentage purity of commercial sample of blue vitriol using N/20 Na2S2O3	
	5	Manufacture of steel- Open hearth process.			
2	6	Alloys, properties and applications of ferrous alloys			
	7	Alloys- different alloys their uses		Revision and Viva	
2	8	Revision	3		
5	9	Test	1		
	10	Definition of corrosion, its types and factors affecting corrosion rate		Gravimetric estimation of moisture in the given coal sample	
4	11	Wet corrosion, Positivity	4		
	12	Metallic Coating	1		
	13	Inorganic coatings, Organic coatings heat treatment		Determination of percentage composition of volatile/non-volatile matter in the given coal sample	
	14	Revision	5		
5	15	Sessional Test			
	16	Definition of fuel, classification, characteristics	6	Revision and Viva	
6	17	Comparison of fuels, Calorific value			
	18	Bomb Calorimeter and numerical			
	19	Types of Coal and Proximate Analysis	7	Gravimetric estimation of ash content in the given coal sample	
7	20	Octave number and Cetane number			
	21	Gaseous fuel- CNG, LPG, Producer gas			
	22	Water gas and biogas, hydrogen as future fuels,		Determination of viscosity of given liquid using Redwood viscometers	
	23	Recisamfuels			
8	24	Test	8		
9	25	Definition of Lubricant and boundary Lubricant	9	Determination of	
		hydrodynamic, boundary lubrication		flash point of given lubricating oil using Able's flash point	
	26	liquid lubricants, solid lubricants, semi-solid lubricants and synthetic lubricants			

	27	Physical properties of Lubricant		apparatus
10	28	Chemical properties of Lubricant	10	Revision and Viva
	29	Revision		
	30	Sessional Test		
11	31	Applications of cutting fluids, types and the that govern the selection of cutting fluids factors	11	To study the effect of metal coupling on corrosion of iron
	32	Definition and types and applications of- Ceramics,		
	33	Refractory and Composite materials		
	34	Glass-chemical composition and application of Soda,		
12	35	Befinition and degree of polymerization	12	Revision and Viva
	36	Addition and condensation polymers		
13	37	(PE, PS, PVC, Teflon, Nylon -66 and Bakelite)	13	Detection of iron metal in the given solution of rust
	38	Definition of plastics, thermo plastics and thermo setting plastics		
	39	Distinctions between thermo plastics and thermo		
14	40	Apple ations of polymers in industry and daily life	14	Revision and Viva
	41	Revision		
	42	Doubt Quarries and Revision		
15	43	Revision and discussion of previous year Q. Papers	15	Revision and Viva
	44	Revision and discussion of previous year Q. Papers		
	45	Sessional Test		