

I.B. (PG) COLLEGE PANIPAT

(SESSION 2019-20)

Weekly Lesson Plan (January 2020 – April 2020)

Name of the Paper: Hindi

Name of the Teacher (Section Wise): Profs. Reena Rani,

Class/ Section : B.Sc-II Non-Medical, A, B, C, B.Sc-II Medical,

WEEK	DATE	TOPICS
1	January (1-14)	पाठक्रम की चर्चा।
		डॉ रामकुमार वर्मा जी का साहित्यिक परिचय।
Sunday – 05-01-2020		
2	January (6-11)	
		'औरंगजेब की आखिरी रात' पाठ का सार,
		पाठ की व्याख्या।
		'आका तवाणी' निबंध।
Sunday – 12-01-2020		
3	January (13-18)	
		उपेन्द्रनाथ 'अ क' की का साहित्यिक परिचय,
		'लक्ष्मी का स्वागत' पाठ का सार
Sunday – 19-01-2020		
4	January (20-25)	'लक्ष्मी का स्वागत' पाठ की व्याख्या
		पाठ का Written Test
Sunday – 26-01-2020		

5	January (27-31) & February (1)	1 st Assignment.
		जगदी ा चंद्र माथुर का साहित्यिक परिचय।
Sunday – 02-02-2020		
6	February (3-8)	'रीढ की हड्डी' पाठ का सार, व्याख्या।
		कम्प्युटर तथा इटरनेट निबंध।
Sunday – 09-02-2020		
7	February (10-15)	
		'रीढ की हड्डी' पाठ का Test
		डॉ लक्ष्मीनारायण लाल का साहित्यिक परिचय।
Sunday – 16-02-2020		
8	February (17-22)	
		'बंसत ऋतु का नाटक' पाठ का सार, पाठ की व्याख्या।
		'जनसंख्या विस्फोट' निबंध।
Sunday – 23-02-2020		
9	February (24-29)	
		'बंसत ऋतु का नाटक' पाठ का Test
		'विशणु प्रभाकर जी' का साहित्यिक – परिचय।
Sunday – 01-03-2020		
		2 nd Assignment,

10	March (02-07)	संस्कार और भावना पाठ का सार
Sunday – 08-03-2020		
11	March (09-14)	Holiday
		Holiday
		Holiday
		Holiday
		Holiday
Sunday – 15-03-2020		
12	March (16-21)	
		'संस्कार और भावना' पाठ की व्याख्या।
		पाठ का टैस्ट।
Sunday – 22-03-2020		
13	March (23-28)	'मोहन राके 1 जी' का साहित्यिक परिचय
		'बहुत बड़ा सवाल' पाठ का सार।
		पाठ की व्याख्या।
Sunday – 29-03-2020		
14	March (30-31) April 1-4	*'बहुत बड़ा सवाल' पाठ का Test
		महिलाधिकार निबंध।
Sunday – 05-04-2020		
15	April	'गाँधी द नि' निबंध
		'शिक्षा और राजनीति' निबंध

	(06-11)	
Sunday – 12-04-2020		
16	April (13-18)	विज्ञान और पर्यावरण प्रदूषण। वि व विख्यात वैज्ञानिक और उनके अविष्कार।
Sunday – 19-04-2020		
17	April (20-25)	निबंध का Test, अर्द्ध – सरकारी – पत्रों पर प्रकाश। Written Test
Sunday – 26-04-2020		
18	April (27-30)	तार लेखन, तार लेखन का Test वैज्ञानिक, भाषावली, Written Test

I.B. (PG) COLLEGE, PANIPAT
(SESSION 2019-20)

Weekly Lesson Plan (January 2020 - April 2020)

Name of the Paper:- Inorganic Chemistry CLASS: B.Sc. 2nd (section A,B)

Name of the Teachers (Section wise): Prof. Simran

WEEK	DATE	TOPICS
1	January (1 - 4)	Chemistry of f-Block elements
		Lanthanides: Electronic structure,
SUNDAY - 05.01.2020		
2	January (6-11)	oxidation states, magnetic properties,
		problems discussion on oxidation states and magnetic property
SUNDAY - 12.01.2020		
3	January (13-18)	oxidation states, magnetic properties, complex
		formation, colour
SUNDAY - 19.01.2020		
4	January (20 -25)	ionic radii and lanthanide contraction,
January - 26.01.2020		
5	January (27- 31) February (1)	occurrence, separation of
		lanthanides
SUNDAY - 02.02.2020		
6	February (3 -8)	Lanthanide compounds.
SUNDAY - 09.02.2020		
7	February (10 -15)	Actinides: General characteristics of actinides
SUNDAY - 16.02.2020		
8	February (17-22)	chemistry of separation of Np, Pu
		and Am from uranium, Transuranic elements
SUNDAY - 23.02.2020		
9	February (24-29)	comparison of properties of
		Lanthanides and actinides with transition elements.
		class test

SUNDAY - 01.03.2020		
10	March (02 -07)	Theory of Qualitative and Quantitative Analysis
		Chemistry of analysis of various groups of basic radical (I)
SUNDAY - 08.03.2020		
11	March (09-14)	Holi break
SUNDAY - 15.03.2020		
12	March (16 -21)	Chemistry of analysis of various groups acidic radicals (I)
SUNDAY - 22.03.2020		
13	March (23-28)	Chemistry of analysis of various groups of acidic radicals (II)
SUNDAY - 29.03.2020		
14	March (30 -31) April 1-4)	chemistry of
		identification of acid radicals in typical combination
SUNDAY - 05.04.2020		
15	April (06 -11)	chemistry of interference of
		acid radicals including their removal in the analysis of basic radicals
SUNDAY - 12.04.2020		
16	April (13-18)	common ion
		effect, solubility product
SUNDAY - 19.04.2020		
17	April (20-25)	theory of precipitation, co-precipitation
SUNDAY - 26.04.2020		
18	April (27-30)	post
		precipitation, purification of precipitates

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Weekly Lesson Plan (January 2020 - April 2020)

Name of the Paper:- **Organic Chemistry**

Class: **B.Sc. 2nd year (A)**

Name of the Teachers (Section wise): **Prof. Shilpa**

WEEK	DATE	TOPICS
1	January (1 - 4)	Infrared (IR) absorption spectroscopy
		Molecular vibrations, Hooke's law, selection rules,
SUNDAY - 05.01.2020		
2	January (6-11)	intensity and
		position of IR bands, measurement of IR spectrum
SUNDAY - 12.01.2020		
3	January (13-18)	
		fingerprint
		region, characteristic absorptions of various functional groups
SUNDAY - 19.01.2020		
4	January (20 -25)	
		interpretation of IR spectra of simple organic compounds.
		discussion on utility of IR spectra
January - 26.01.2020		
5	January (27- 31) February (1)	Applications of IR spectroscopy in structure elucidation of simple
		organic compounds
SUNDAY - 02.02.2020		
6	February (3 -8)	
		Structure and nomenclature of amines, physical properties.
		Separation of a mixture of primary, secondary and tertiary amines
SUNDAY - 09.02.2020		
7	February (10 -15)	
		Structural features affecting basicity of amines. Preparation of
		alkyl and aryl amines (reduction of nitro compounds, nitriles, reductive amination of aldehydic and ketonic compounds.

SUNDAY - 16.02.2020		
8	February (17-22)	
		Gabriel -
		phthalimide reaction, Hofmann bromamide reaction.
SUNDAY - 23.02.2020		
9	February (24-29)	
		Electrophilic aromatic substitution in aryl amines, reactions of
		amines with nitrous acid.
SUNDAY - 01.03.2020		
10	March (02 -07)	
		Diazonium Salts
		Mechanism of diazotisation, structure of benzene diazonium
		chloride
SUNDAY - 08.03.2020		
11	March (09 -14)	
		holi break
SUNDAY - 15.03.2020		
12	March (16 -21)	
		Replacement of diazo group by H, OH, F, Cl, Br, I, NO₂
		and CN groups
		class test
SUNDAY - 22.03.2020		
13	March (23-28)	
		reduction of diazonium salts to hydrazines, coupling
		reaction and its synthetic application
SUNDAY - 29.03.2020		
14	March (30 -31) April 1-4)	
		Aldehydes and Ketones
		Nomenclature and structure of the carbonyl group. Synthesis of aldehydes with particular reference to the synthesis of aldehydes from acid chlorides,

SUNDAY - 05.04.2020		
15	April (06 -11)	
		Synthesis of ketons
		with particular reference to the synthesis of aldehydes from acid chlorides
SUNDAY - 12.04.2020		
16	April (13-18)	
		advantage of oxidation of alcohols with chromium trioxide (Sarett reagent)
		pyridinium chlorochromate (PCC) and pyridinium dichromate.
SUNDAY - 19.04.2020		
17	April (20-25)	Physical
		properties, Comparison of reactivities of aldehydes and ketones. Mechanism of
		nucleophilic additions to carbonyl group with particular emphasis on benzoin,
		aldol, Perkin and Knoevenagel condensations.
SUNDAY - 26.04.2020		
18	April (27-30)	
		Condensation with ammonia and its
		derivatives. Wittig reaction. Mannich reaction. Oxidation of aldehydes, Baeyer-
		Villiger oxidation of ketones, Cannizzaro reaction. MPV, Clemmensen, Wolff-
		Kishner, LiAlH ₄ and NaBH ₄ reductions.

**I.B. (PG) COLLEGE, PANIPAT
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Weekly Lesson Plan (January 2020 - April 2020)

Name of the Paper:- **OPERATING SYSTEM**

Name of the Teachers (Section wise): **DEEPTY JUNEJA** Class :- **BSC II Year Sem-4**

WEEK	DATE	TOPICS
1	January (1 - 4)	INTRODUCTION OF OPERATING SYSTEM, OPERATING SYSTEM ARCHITECTURE
SUNDAY - 05.01.2020		
2	January (6-11)	OPERATING SYSTEM AS A RESOURCE MANAGER
		FUNCTIONS AND CHARACTERISTICS OPERATING SYSTEM
		HISTORICAL EVOLUTION, SERIAL AND BATCH OPERATING SYSTEM
SUNDAY - 12.01.2020		
3	January (13-18)	MULTIPROGRAMMING, TIME SHARING, REAL TIME ,
		DISTRIBUTED AND PARALLEL OPERATING SYSTEM
SUNDAY - 19.01.2020		
4	January (20 -25)	I/O STRUCTURE, STORAGE STRUCTURE, STORAGE HIERARCHY
		OPERATING SYSTEM COMPONENTS, SERVICES

January - 26.01.2020		
5	January (27- 31) February (1)	SYSTEM CALLS ,SYSTEM PROGRAMS,SYSTEM STRUCTURE
		PROCESS CONCEPT,PROCESS STATES,PCB,PROCESS SCHEDULING,
SUNDAY - 02.02.2020		
6	February (3 -8)	ASSIGNMENT I
		INTER PROCESS COMMUNICATION
		SCHEDULING CRETERIA,LEVEL OF SCHEDULING,SCHEDULING ALGORITHMS
SUNDAY - 09.02.2020		
7	February (10 -15)	MULTIPLE PROCESSOR SCHEDULING
		INRODUCTION AND CHARACTERIZATION OF DEADLOCK
		METHODS OF HANDLING,DEADLOCK DETECTION
SUNDAY - 16.02.2020		
8	February (17-22)	PREVENTION,RECOVERY,AVOIDANCE OF DEADLOCK
		QUERY SESSION
		CONDITIONAL TEST
SUNDAY - 23.02.2020		
9	February (24-29)	INTRODUCTION OF STORAGE MANAGEMENT,
		MEMORY MANAGEMENT OF SINGLE USER AND MULTI USER OPERATING SYSTEM
		PARTIONING,SWAPPING
		PAGING

SUNDAY - 01.03.2020		
10	March (02 -07)	SEGMENTATION
		VIRTUAL MEMORY,PAGE REPLACEMENT ALGORITHMS
SUNDAY - 08.03.2020		
11	March (09 -14)	
		HOLI BREAK
SUNDAY - 15.03.2020		
12	March (16 -21)	THRASHING,
		CRITICAL SECTION PROBLEM,SEMAPHORES,MUTUAL EXCLUSION
		ASSIGNMENT II
SUNDAY - 22.03.2020		
13	March (23-28)	DISK SCHEDULING,DISK STRUCTURE,
		DISK MANAGEMENT
		INTRODUCTION OF FILE SYSTEM,
		FILE ACCESS AND ALLOCATION METHODS

SUNDAY - 29.03.2020		
14	March (30 -31) April 1-4)	INTRODUCTION OF DIRECTORY SYSTEM,
		STRUCTURED ORGANISATION,DIRECTORY AND FILE MANAGEMENT MECHANISMS
SUNDAY - 05.04.2020		
15	April (06 -11)	REVISION
SUNDAY - 12.04.2020		
16	April (13-18)	
SUNDAY - 19.04.2020		
17	April (20-25)	
SUNDAY - 26.04.2020		
18	April (27-30)	

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Weekly Lesson Plan (January 2020 - April 2020)

Name of the Paper:- **PHYSICAL CHEMISTRY**

Class: **B.Sc SECOND YEAR(A,B)**

Name of the Teachers (Section wise): **DR. MOHD. ISHAQ**

WEEK	DATE	TOPICS
1	January (1 - 4)	Thermodynamics
		Second law of thermodynamics, need for the law, different
		statements of the law,
SUNDAY - 05.01.2020		
2	January (6-11)	Carnot's cycle s and its efficiency, Carnot' s
		theorm, Thermodynamics scale of temperature.
SUNDAY - 12.01.2020		
3	January (13-18)	Concept of entropy
		– entropy as a state function, entropy as a function of V & T,
		entropy as a funct ion of P & T,
SUNDAY - 19.01.2020		
4	January (20 -25)	Concept of entropy
		– entropy as a state function, entropy as a function of V & T,
		entropy as a funct ion of P & T,
January - 26.01.2020		
5	January (27- 31)	Third law of thermodynamic s: Nerns t heat theorem, statement of
	February (1)	concept of residual entropy,
SUNDAY - 02.02.2020		
6	February (3 -8)	evaluation of absolute entropy from
		heat capacity data. Gibbs function (G)
SUNDAY - 09.02.2020		
7	February (10 -15)	Helmholtz function (A)
		as thermodynamic quantities, G as criteria for thermodynami c
		equilibrium and spontaneity,
SUNDAY - 16.02.2020		
8	February (17-22)	its advantage over entropy change.
		Variation of G with P, V and T.
		Class test

SUNDAY - 23.02.2020		
9	February (24-29)	Electrochemistry
		Electrolytic and Galvanic cells – reversible & irreversible cells,
		conventional representation of electrochemical cells
SUNDAY - 01.03.2020		
10	March (02 -07)	Calculation of thermodynamic quantities of cell reaction (ΔG , ΔH
		& K).
		Problem discussion on above topic
SUNDAY - 08.03.2020		
11	March (09 -14)	HOLI BREAK
SUNDAY - 15.03.2020		
12	March (16 -21)	Types of reversible electrodes – metal- metal ion, gas electrode,
		metal –insoluble salt- anion and redox electrodes. Electrode
		reactions,
SUNDAY - 22.03.2020		
13	March (23-28)	Nernst equations, derivation of cell EMF and single
		electrode potential.
		Numerical problem discussion
SUNDAY - 29.03.2020		
14	March (30 -31) April 1-4)	Standard Hydrogen electrode, reference
		electrodes, standard electrode potential, sign conventions,
		Concentration cells with and without transference,
SUNDAY - 05.04.2020		
15	April (06 -11)	liquid junction
		potential and its measurement
SUNDAY - 12.04.2020		
16	April (13-18)	Applications of EMF measurement
		in solubility product
SUNDAY - 19.04.2020		
17	April (20-25)	potentiometric titrations using glass
		electrode.
SUNDAY - 26.04.2020		
18	April (27-30)	More stress on numerical problems.

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Weekly Lesson Plan (January 2020 - April 2020)

Name of the Paper:- Programming in C and Numerical Methods Class: B.Sc. 2nd year

Name of the Teachers (Section wise): Ms. Kanak Sharma

WEEK	DATE	TOPICS
1	January (1 - 4)	Computers: A General Introduction, Programmer's Model of a computer,
		Control unit, memory, types of memory, input and output devices, some
		computer terminologies.
SUNDAY - 05.01.2020		
2	January (6-11)	Algorithm, its definition, characteristics of algorithms, examples based on
		algorithms, Flowcharts, Advantages of flowcharts, conventions of flowcharts,
		limitations of flowcharts, examples based on flowcharts.
SUNDAY - 12.01.2020		
3	January (13-18)	Introduction to C language, its importance, C-character set, trigraph
		characters, C-tokens, keywords, constants, types of constants, escape
		sequence, variables, rules for naming a variable and discussion of examples
SUNDAY - 19.01.2020		
4	January (20 -25)	Data-Types, different types of data types, data type for integers, characters,
		floating point type, double type numbers, void type, qualifiers, variable
		declaration, assignment statement, typedef declaration and enum
January - 26.01.2020		
5	January (27- 31) February (1)	Use of comments, new line character, main function, execution of a C
		program.
		Operators and Expressions, types of operators, special operators, operator
SUNDAY - 02.02.2020		
6	February (3 -8)	Decision Control Structures: Sequence, Selection, Iteration, if statement
		if else statement, nested if else statements, illustration of these concepts
		using programs, else-if ladder, switch statement, goto statement, illustration
SUNDAY - 09.02.2020		

SUNDAY - 09.02.2020		
7	February (10 -15)	Loops: definition, types, while statement: syntax, flow chart, programming examples, do-while statement: syntax, flow chart, programming examples, for loop: syntax, flow chart, programming examples, nested control structure and its programming examples.
SUNDAY - 16.02.2020		
8	February (17-22)	Break statement: syntax, programming examples, Continue statement: syntax, programming examples.
		Functions: introduction, advantages, overview, Function definition, return statement: syntax, programming examples.
SUNDAY - 23.02.2020		
9	February (24-29)	Accessing a function, Function Prototyping: syntax, flow chart, programming examples, local and global variables, Recursion and programming examples based on it, discussion of other C programs.
SUNDAY - 01.03.2020		
10	March (02 -07)	The C Preprocessor, file inclusion, macros, macros with arguments, macros versus functions, different types of directives, conditional compilation directives, nesting of directives, some other directives.
SUNDAY - 08.03.2020		
11	March (09 -14)	Vacations-I(Holi)
		Vacations-I(Holi)
		Vacations-I(Holi)
		Vacations-I(Holi)
		Vacations-I(Holi)
		Vacations-I(Holi)
SUNDAY - 15.03.2020		
12	March (16 -21)	Arrays: definition, types, examples, declaration of arrays, initialization of arrays, programming examples, two dimensional arrays, multi dimensional arrays, illustration of these concepts using programs in C, passing arrays to functions and discussion of programming examples.
SUNDAY - 22.03.2020		
13	March (23-28)	Solution of Algebraic and Transcendental Equations, continuation and variation of sign, location of roots, theorems and questions based on it, Bisection Method and questions based on it, Regula Falsi Method, its order of convergence and questions based on it, Secant Method and questions based on it.

SUNDAY - 29.03.2020		
14	March (30 -31) April 1-4)	Newton-Raphson Method, its order of convergence and questions based on it.
		Simultaneous Linear Algebraic Equations, Gauss Elimination Method and
		questions based on it, Gauss Jordan Method and questions based on it,
		Triangularisation Method and questions based on it, Cholesky Decomposition Method and questions based on it and discussion of problems.
SUNDAY - 05.04.2020		
15	April (06 -11)	Crout's Method and questions based on it, Jacobi's Method and questions
		based on it, Gauss Seidel Method and questions based on it, Relaxation
		Method and questions based on it and discussion of problems.
SUNDAY - 12.04.2020		
16	April (13-18)	Puppeting of strings, reading strings, writing strings, concatenation of
		strings, comparison of strings, programming examples based on strings,
		Structures and Unions: definition, declaration, initialization, dot and sizeof
		operator, array of structures, structures and functions, illustration of concept of unions using programming examples.
SUNDAY - 19.04.2020		
17	April (20-25)	Pointers: definition, declaration, pointers to pointers, pointer airthmetic,
		pointers and arrays, pointers as function arguments, function returning
		pointers, illustration of these concepts using programs in C.
SUNDAY - 26.04.2020		
18	April (27-30)	Pointers to Functions, Pointers and Structures, Programming examples based
		on Pointers and discussion of problems.
		Revision.

I.B. (PG) COLLEGE, PANIPAT
(SESSION 2019-20)

Weekly Lesson Plan (January 2020 - April 2020)

Name of the Paper:- Sequences and Series

Class : B.Sc. 2nd Year

Name of the Teachers (Section wise): Dr. Arpana Garg (Sec - A), Ms. Anchal (Sec- C)

WEEK	DATE	TOPICS
1	January (1 - 4)	Sets
		Bounded and Unbounded sets
		Least upper bound and Greatest Lower Bound
SUNDAY - 05.01.2020		
2	January (6-11)	Theorems
		Examples
		Problems
		Neighbourhood of a point
		Theorems
		Examples
SUNDAY - 12.01.2020		
3	January (13-18)	Interior Point of a set
		Open Set
		Theorem
		Closed Set
		Examples
		Limit Point
SUNDAY - 19.01.2020		
4	January (20 -25)	Closure
		Theorems
		Problems
		Bolzano Weierstrass Theorem
		Theorems
		Examples
January - 26.01.2020		
5	January (27- 31) February (1)	Compact Set
		Cover and Open Cover
		Theorems
		Examples
		Sequences
		Convergent Sequences
SUNDAY - 02.02.2020		
6	February (3 -8)	Divergent Sequences
		Oscillatory Sequences
		Examples
		Problems
		Basic Theorems of Limits, Squeeze Principle
		Cauchy First Theorem

SUNDAY - 09.02.2020		
7	February (10 -15)	Cauchy Second Theorem
		Examples
		Problems
		Monotonic Sequences
		Nested Sequences
		Examples
SUNDAY - 16.02.2020		
8	February (17-22)	Limit Point of a sequence
		Cauchy Sequence
		Examples
		Subsequences
SUNDAY - 23.02.2020		
9	February (24-29)	Infinite Series
		Examples
		Problems
		Cauchy General Principle of Convergence
		Geometric Series
		Series of positive terms
SUNDAY - 01.03.2020		
10	March (02 -07)	Comparsion Test, p-series Test
		Examples
		Problems
		D'Alemberts Ratio test
		Examples
		Cauchy Root Test and Examples
SUNDAY - 08.03.2020		
11	March (09 -14)	Holi Break
		Holi Break
		Holi Break
		Holi Break
		Holi Break
		Holi Break
SUNDAY - 15.03.2020		
12	March (16 -21)	Raabes Test
		Examples
		Logrithmic Test
		Examples
		De Morgans Test
		Gauss Test
SUNDAY - 22.03.2020		
13	March (23-28)	Examples of Gauss Test
		Cauchy Integral Test
		Cauchy Condensation Test
		Problems
		Alternating Series, Absolute and Conditional Convergence

SUNDAY - 29.03.2020		
14	March (30 -31) April 1-4)	Alternating Series, Absolute and Conditional Convergence
		Arbitrary Series
		Abel's Lemma
		Abel's Test
		Examples
		Dirichlet's Test
SUNDAY - 05.04.2020		
15	April (06 -11)	Examples
		Problems
		Insertion and Removal of Parenthesis
		Examples
		Riemann Arrangement Theorem
		Examples
SUNDAY - 12.04.2020		
16	April (13-18)	Multiplication of Series
		Cauchy Theorem
		Mertin's Theorem
		Examples
		Problems
SUNDAY - 19.04.2020		
17	April (20-25)	Infinite Products
		Sequence of Parital Sum
		Examples
		General Principle of Convergence
		Theorems and Examples
SUNDAY - 26.04.2020		
18	April (27-30)	More Theorems on Infinite Products
		Examples and Problems

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Name of the Paper:- **SPECIAL FUNCTION**

Class: B.Sc. 2nd Year

Name of the Teacher (Section wise):-**MANISH KUMAR**

WEEK	DATE	TOPICS
1	January (1 - 4)	Introduction ,laplace transform of function
		Linear property of laplace transform and based examples
		First shifting property and based examples
		First shifting property and based examples
SUNDAY - 05.01.2020		
2	January (6-11)	Second shifting property and examples
		LAPLACE TRANSFORM
		Examples continued
		laplace transforms of derivatives
		Based examples
		Laplace transform of periodic function
SUNDAY - 12.01.2020		
3	January (13-18)	Laplace transform of integrals and special functions
		Examples continued
		Examples continued
		Problem discussion
		Inverse laplace transform
		Examples continued
SUNDAY - 19.01.2020		
4	January (20 -25)	Examples continued
		Method for finding inverse transform
		Continued..
		Examples continued
		Problem discussion
		Convolution theorem
January - 26.01.2020		
5	January (27- 31) February (1)	Examples continued
		Problem discussion of inverse laplace transform
		Application of Laplace transformation to integral equation
		Examples continued
		Examples continued
		Problem discussion
SUNDAY - 02.02.2020		
6	February (3 -8)	SOLUTION OF DIFFERENTIAL EQUATION BY LAPLACE TRANSFORMATION
		Introduction and examples
		Examples continued
		Examples continued
		Solution of differential equation with variable coefficient by transform method
		Examples continued

SUNDAY - 09.02.2020		
7	February (10 -15)	Examples continued
		Problem discussion
		Class test
		FOURIER TRANSFORMATION
		Fourier transform property
		Property and examples
SUNDAY - 16.02.2020		
8	February (17-22)	Fourier sine and cosine transforms
		Examples continued
		Use of inverse transforms
		Examples continued
		Problem discussion
		Convolution theorem for Fourier transform
SUNDAY - 23.02.2020		
9	February (24-29)	Theorems...
		Relation between Fourier and Laplace transform
		Parseval's identity for Fourier transform
		Examples continued
		Examples continued
		Problem discussion
SUNDAY - 01.03.2020		
10	March (02 -07)	SOLUTION OF DIFFERENTIAL EQUATION BY FOURIER TRANSFORMS,POWER SERIES
		Method to solve above type of equations and examples
		Power series and its convergence
		Operation on power series and examples
		Analytic function and examples
		Frobenius method and examples
SUNDAY - 08.03.2020		
11	March (09 -14)	HOLI VACATIONS
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SUNDAY - 15.03.2020		
12	March (16 -21)	Problem discussion
		Class test
		BESSEL'S EQUATION AND BESSEL'S FUNCTION
		Beta function and Gamma function
		Bessel's equation and solution
		Bessel's function
SUNDAY - 22.03.2020		
13	March (23-28)	Theorem and examples..
		Examples continued
		Generating function for $J_n(x)$
		Property and examples
		Equation reducible to Bessel's equation
		Conditional test

SUNDAY - 29.03.2020		
14	March (30 -31) April 1-4)	Orthogonality relation
		Problem and group discussion
		LEGENDER'S EQUATION AND ITS SOLUTION
		Rodrigue's equation and Hermite's equation
		Examples continued
		Recurrence relations
SUNDAY - 05.04.2020		
15	April (06 -11)	Examples continued
		Orthogonality of legendre polynomial
		Examples continued
		Examples continued
		Examples continued
		Another formula for $J_n(x)$, recurrence relation
SUNDAY - 12.04.2020		
16	April (13-18)	Examples continued
		Problem discussion
		Hermite's equation and its solution
		Continued..
		Hermite's polynomial
		Applications
SUNDAY - 19.04.2020		
17	April (20-25)	Rodrigue's formula for $H_n(x)$
		Formula for $H_n(x)$, recurrence relation
		Examples continued
		Examples continued
		Problem discussion
		Class test
SUNDAY - 26.04.2020		
18	April (27-30)	Revision
		Revision
		Revision
		Revision