I.B. (PG) COLLEGE, PANIPAT
(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022)   (Odd Semester)

Weekly Lesson Plan   UG (Ist / IIIrd / Vth Semester)   PG (IIIrd Semester)

Name of the Paper:-   AMCV MM-502   Class: M.Sc final maths

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

WEEK	DATE	TOPICS
1	October (6 - 9)	indtro of paper
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		basic ecpalnation
		motivating problem of COV
	SUNDAY - 10.10.2021	
2	October (11-16)	shortest distance formula
		Euler's equations
		minimum surface of revolution
		Brachistochrone problem
		HOLIDAY - 15.10.2021 - DUSSEHRA
		isoperimetric problem
	SUNDAY - 17.10.2021	
3	October (18-23)	problem discussion
		Geodesic problem
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		fundamental lemma of COV
		examples solving
		Euler's functional depends on n variables
	SUNDAY - 24.10.2021	
4	October (25 -30)	**Euler's functional depends higher derivative**
		variational derivative
		invariance of euler's equation
		integral constrains
		varible end point question
		problem discussion
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

5	November (8 -13)	problem discussion	
		class test	
		constrained system	
		classification	
		generalised coordinates	
		holonomic and non holonomic system	
SUNDAY - 14.11.2021			
6	November (15 -20)	problem discussion	
		scleronomic and rheonomic system	
		generalised potential	
		possible and virtual displacement	
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
		problem discussion	
SUNDAY - 21.11.2021			
7	November (22-27)	possible and virtual displacement	
		ideal constrained	
		Lagrange's equation of first kind	
		D'Alembert principle	
		independent coordinates holonomic system	
		problem discussion	
SUNDAY - 28.11.2021			
8	November (29-30) December (1-4)	generalised force	
		Lagrange's equation of second kind	
		uniqueness of solution	
		variation of total energy	
		potential force and Gyroscopic force	
		problem discussion	
SUNDAY - 5.12.2021			

9	**December (6-11)**	**dissipative force**
		Lagrange's equation for potential force
		conservative field
		problem discussion
		class test
		problem discussion
SUNDAY - 12.12.2021		
10	**December (13-18)**	intro of chapter
		hamilton variable
		Don Kin's theorem
		Don Kin's theorem
		hamiton canonical equation
		hamiton canonical equation
SUNDAY - 19.12.2021		
11	**December (20-25)**	Routh's equation
		example
		Routh's equation
		hamilton examples
		hamilton examples
		Holiday -25.12.2021 - Christmas
SUNDAY - 26.12.2021		
12	**December (27-31)**	Poission's Bracket
		cyclic coordinates of possion
		poission identity
		example
		Jacobi poission theorem
	January (1)	problem discussion
SUNDAY -02.01.2022		
13	**January (3-8)**	problem discussion
		hamilton princple
		second form
		poincare carton integral equation
		poincare carton integral equation
		problem discussion
SUNDAY - 09.01.2022		

14	January (10-15)	Whittaker's equation
		jacobi equation
		principle of least action
		principle of least action
		problem discussion
		problem discussion

	SUNDAY - 16.01.2022	

15	January (17-22)	class test
		canonical transformation
		Free canonical transformation
		hamilton jacobi equation
		hamilton jacobi equation
		jacobi theorem

	SUNDAY - 23.01.2022	

16	January (24-29)	method of sepration of variable
		method of sepration of variable
		Holiday - 26.01.2022 - Republic day
		problem discussion
		testing of canonical character
		Lagrange brackets

	SUNDAY - 30.01.2022	

14	January(31)	class activity
	February(1-4)	problem discussion
		problem discussion
		condtion on canonical character
		condtion on canonical character

	Holiday - 05.02.2022 - Vasant Panchami	
	SUNDAY - 6.02.2022	

15	February (7-12)	canonical character in terms of langrange's bracket
		canonical character in terms of poission's bracket
		simplical nature of jacobian matrix
		simplical nature of jacobian matrix
		problem discussion
		problem discussion

		SUNDAY - 13.02.2022

		invariance of Lagrange's bracket
16	February (14-19)	invariance of poission bracket
		invariance of euler's equation
		problem discussion
		revision of hole syllabus
		revision of hole syllabus
		SUNDAY - 20.02.2022
17	February (21-22)	solve previous years paper
		solve previous years paper

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(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022)   (Odd Semester)

Weekly Lesson Plan;   PG (IIIrd Semester)

Name of the Paper:-   INTEGRAL EQUATION   Class: MSC(F)

Name of the Teachers (Section wise): MANISH KUMAR

WEEK	DATE	TOPICS
1	**October (6 - 9)**	ORIENTATION
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		ORIENTATION
		ORIENTATION
	SUNDAY - 10.10.2021	
2	**October (11-16)**	HAWAN
		Definition of integral equations and its type
		eigen value and eigen function
		types of kernal
		HOLIDAY - 15.10.2021 - DUSSEHRA
		types of kernal
	SUNDAY - 17.10.2021	
3	**October (18-23)**	types of kernal
		The inner or scaler product
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		The inner or scaler product
		The inner or scaler product
		Reduction to a system of algebraic equations
	SUNDAY - 24.10.2021	
4	**October (25 -30)**	Reduction to a system of algebraic equations
		Examples
		Examples
		Examples
		Examples
		Examples
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

5	November (8 -13)	Problem Discussion
		Test
		EXAMPLES BASED ON FREDHOLM THEOREM
		EXAMPLES

		SUNDAY - 14.11.2021

6	November (15 -20)	Fredholm alternative thm
		Fredholm alternative thm
		discussion on thm
		Examples
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti

		SUNDAY - 21.11.2021

7	November (22-27)	Examples
		Problem Discussion
		Test
		Approximate method
		Approximate method
		EXAMPLES

		SUNDAY - 28.11.2021

8	November (29-30) December (1-4)	EXAMPLES
		DOUBTS
		Method of succesive approximation
		Method of succesive approximation
		Method of succesive approximation

		SUNDAY - 5.12.2021

9	**December (6-11)**	Method of succesive approximation
		Newmann series
		Newmann series
		Resolvent kernal
		Resolvent kernal
		Resolvent kernal
SUNDAY - 12.12.2021		
10	**December (13-18)**	Examples based on succesive approximation
		Examples based on succesive approximation
		Examples based on succesive approximation
		Iterative scheme for fredholm integral equation
		Iterative scheme for fredholm integral equation
		Iterative scheme for volterra equation
SUNDAY - 19.12.2021		
11	**December (20-25)**	Iterative scheme for volterra equation
		Iterative scheme for volterra equation
		Conditions of uniform convergence
		Conditions of uniform convergence
		Uniqueness of series solution
		Examples
SUNDAY - 26.12.2021		
12	**December (27-31)**	Examples
		Examples
		Examples
		Some results about resolvent kernal
		Some results about resolvent kernal
	January (1)	Application of iterative scheme to volterra equations
SUNDAY -02.01.2022		
13	**January (3-8)**	Examples
		Problem Discussion
		Meethod of solution of fredholm equation
		Meethod of solution of fredholm equation
		Meethod of solution of fredholm equation
SUNDAY - 09.01.2022		

14	January (10-15)	Fredholm first thm
		Fredholm first thm
		Fredholm second thm
		Fredholm second thm
		Fredholm second thm

SUNDAY - 16.01.2022		
15	January (17-22)	Class discussion
		Symmetric kernal introduction
		EXAMPLES
		EXAMPLES
		CLASS TEST

SUNDAY - 23.01.2022		
16	January (24-29)	complex hilbert space
		orthonormal system of function
		Holiday - 26.01.2022 - Republic day
		orthonormal system of function
		Riesz Fisher Thm
		Riesz Fisher Thm

SUNDAY - 30.01.2022		
14	January(31)	Riesz Fisher Thm
	February(1-4)	Problem Discussion
		Test
		A complete two dimensional orthonormal set

Holiday - 05.02.2022 - Vasant Panchami		
SUNDAY - 6.02.2022		
15	February (7-12)	A complete two dimensional orthonormal set
		Fundamental Property of eigen value and function
		expansion in eigen function and bilinear form
		expansion in eigen function and bilinear form
		expansion in eigen function and bilinear form

SUNDAY - 13.02.2022		

16	**February (14-19)**	expansion in eigen function and bilinear form
		expansion in eigen function and bilinear form
		expansion in eigen function and bilinear form
		Problem Discussion
		Test
		REVISION
		SUNDAY - 20.02.2022
17	**February (21-22)**	REVISION
		TEST

I.B. (PG) COLLEGE, PANIPAT
(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022)   (Odd Semester)

Weekly Lesson Plan   UG (Ist / IIIrd / Vth Semester)   PG (IIIrd Semester)

Name of the Paper:- NUMBER THEORY   Class: M.SC.(FINAL)

Name of the Teachers (Section wise): KOMAL

WEEK	DATE	TOPICS
1	**October (6 - 9)**	ORENTATION
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		ORENTATION
		ORENTATION
	SUNDAY - 10.10.2021	
2	**October (11-16)**	HAWAN
		Introduction to basic Number theory
		Division Algorithm
		Divisibility and properties
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Gauss theorem
	SUNDAY - 17.10.2021	
3	**October (18-23)**	GCD & LCM
		Examples based on gcd and division Algorithm
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		Examples based on division Algorithm
		some theorems on divisibility
		The Linear Diaphontine equation
	SUNDAY - 24.10.2021	
4	**October (25 -30)**	Numericals on Linear Diaphontine equation
		Theorems based on Diaphontine equation
		examples based on Diaphontine equation
		Linear Congruence
		Related theorems on linear Congruences
		Cancellation law
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

5	**November (8 -13)**	DOUBTS
		CLASS TEST
		Unimodular Matrix
		related theorem
		Pythagorean triplet
		Related theorems on pythagorean triplet
SUNDAY - 14.11.2021		
6	**November (15 -20)**	CLASS ACTIVITY
		REVISION OF DIAPHONTINE EQUATION
		REVISION OF LINEAR CONGRUENCES
		EXAMPLES
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		DOUBTS
SUNDAY - 21.11.2021		
7	**November (22-27)**	CLASS TEST
		Primitive Solutions
		theorems based on Primitive solutions
		examples on pythagorean triplet
		Assorted examples
		assorted examples
SUNDAY - 28.11.2021		
8	**November (29-30) December (1-4)**	Rational points on curve
		previous year questions Discussion based on unit 1
		Test of unit 1
		Farey Sequences and properties
		Farey table and its properties
		Farey table and its properties
SUNDAY - 5.12.2021		

9	December (6-11)	Theorems based on Farey Sequences
		theorems on Farey Sequences
		theorems on Farey Sequences
		some more examples on Farey Sequences
		Rational Approximation
		examples on Rational Approximation

SUNDAY - 12.12.2021

10	December (13-18)	Irrational Numbers
		theorems on irrational Numbers
		theorems on irrational Numbers
		theorems on irrational Numbers
		Examples based on irrational numbers
		Examples on irrational numbers

SUNDAY - 19.12.2021

11	December (20-25)	some more examples
		The Geometry of numbers
		Blichfeldts principle
		Minkowski convex body theorem
		some examples
		Minkowski convex body theorem for general lattice

SUNDAY - 26.12.2021

12	December (27-31)	Langranges four square theorem
		previous year questions Discussion based on unit 2
		test of unit 2
		Continued Fraction
		Continued Fraction Related theorems
	January (1)	examples on continued Fraction

SUNDAY -02.01.2022

13	January (3-8)	Some more theorems on continued Fraction
		Results on continued Fraction
		Infinite continued Fraction
		Related theorems
		Related theorems
		DOUBTS

SUNDAY - 09.01.2022

14	**January (10-15)**	Examples on continued Fraction
		examples on continued Fraction
		Limit form of infinite continued Fraction
		Some related theorems
		theorems on limit form of infinite continued Fraction
		Some examples on continued Fraction
	SUNDAY - 16.01.2022	
15	**January (17-22)**	Some examples on continued Fraction
		Some examples on continued Fraction
		Approximation to irrational numbers
		Related theorems
		Hurwitz theorem
		Best possible Approximation theorem
	SUNDAY - 23.01.2022	
16	**January (24-29)**	**DOUBTS**
		CLASS TEST
		Holiday - 26.01.2022 - Republic day
		Related theorems periodic
		periodic continued fraction
		previous year questions Discussion based on unit 3
	SUNDAY - 30.01.2022	
14	**January(31)**	Problem Discussion
	February(1-4)	Partition
		Related theorems on Partition
		DOUBTS
		CLASS ACTIVITY
	Holiday - 05.02.2022 - Vasant Panchami	
	SUNDAY - 6.02.2022	
15	**February (7-12)**	Ferrers graph Related theorems
		Generating function
		Related theorems on generating function
		REVISION
		REVISION OF PREVIOUS TOPICS
		TEST
	SUNDAY - 13.02.2022	

16	February (14-19)	**RIVISION OF HURWITZ THEOREM**
		DOUBTS
		Eulers identity
		Eulers formula
		bounds on P(n) some more theorems problem
		Jacobi formula
		Related theorems
17	February (21-22)	A divisibility property & some theorem on P(n)
		previous year questions Discussion based on unit 4& problem Discussion

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Teaching Term :- (06.10.2021 to 22.02.2022)   **(Odd Semester)**

Weekly Lesson Plan :-   PG (IIIrd Semester)

Name of the Paper:- Functional Analysis   **Class:- M.Sc. Final**

Name of the Teachers (Section wise):- DEEPALI

WEEK	DATE	TOPICS
1	October (6 - 9)	Orientation Programme
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		Orientation Programme
		Orientation Programme
	SUNDAY - 10.10.2021	
2	October (11-16)	Hawan Ceremony
		Introduction to Linear Space
		Introduction to Normed Linear Space
		Examples of normed linear space
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Semi Norm examples
	SUNDAY - 17.10.2021	
3	October (18-23)	Induced metric property
		Covergence and cauchy sequence
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		Complete norm linear space
		Banach Spaces and its examples
		examples of banach space
	SUNDAY - 24.10.2021	
4	October (25 -30)	Completeness of quotient space
		Subspace of banach space
		Riesz-Fischer theorem
		Norm linear space which is not complete
		Product of normed spaces
		Finite dimentional normed spaces and subspaces
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

5	**November (8 -13)**	Equivalent norms
		Linear transformations
		Compactness and finite dimention
		F.Riesz lemma
		F.Riesz Theorem
		Bounded linear operator
SUNDAY - 14.11.2021	

6	**November (15 -20)**	Continuous linear operator
		Differentiation operator
		Integral operator
		Bounded linear extentions
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		Linear functions
	SUNDAY - 21.11.2021	

7	**November (22-27)**	Bounded linear functions
		Continuity & boundedness
		Definite integral
		Canonical mapping
		Linear operator
		Functional on finite dimentional space
	SUNDAY - 28.11.2021	

8	**November (29-30) December (1-4)**	Normed spaces of operators
		Dual spaces with examples
		Problems discussion of section-1
		Test of section-1
		Hahn - Banach theorem for real linear spaces
		Complex linear spaces
	SUNDAY - 5.12.2021	

9	**December (6-11)**	For normed linear spaces
		Application to bounded linear functional on C[a,b]
		Riesz-Representation theorem
		Adjoint operator
		Norm of adjoint operator
		Reflexive spaces
	SUNDAY - 12.12.2021	

10	December (13-18)	theorems on reflexive spaces
		Uniform boundedness theorem
		Application to space of polynomials & fourier series
		Application to space of fourier series
		Problems discussion of section-2
		Test of section-2

SUNDAY - 19.12.2021

11	December (20-25)	weak convergence
		Theorem on weak convergence
		Convergence of sequences of operators
		Uniform operator convergence
		Strong operator convergence

Holiday -25.12.2021 - Christmas

SUNDAY - 26.12.2021

12	December (27-31)	Weak operator convergence
		Strong convergence of sequence of functional
		Weak convergence of sequence of functional
		Open mapping theorem
		Bounded inverse theorem
	January (1)	Closed linear operator

SUNDAY -02.01.2022

13	January (3-8)	Closed graph theorem
		Differential operator
		Relation between closedness and boundedness of linear operator
		Inner product spaces
		Hilbert spaces and thier examples
		Pythagorean theorem

SUNDAY - 09.01.2022

14	January (10-15)	Apolloniu's Identity
		Schwarz Inequality
		Continuity of inner product
		Completion of an inner product space
		Subspace of a Hilbert space
		Orthogonal complements and direct sums

SUNDAY - 16.01.2022

15	**January (17-22)**	Projections theorems
		Characterization of sets in hilbert space whose space is dense
		Problem discussion of section-3
		Test of section-3
		Orthonormal sets and sequences
		Bessel's inequality
SUNDAY - 23.01.2022	
16	**January (24-29)**	Gram Schmidt process of orthonormalization
		Series related to orthonormal sequences and sets
		Holiday - 26.01.2022 - Republic day
		Total orthonormal sets and sequences
		Parseval's Identity
		Separable hilbert spaces
SUNDAY - 30.01.2022	
17	**January(31)**	Representation of functions on hilbert spaces
	February(1-4)	RRT for bounded linear functional on hilbert spaces
		Sesquilinear form
		RRT for bounded sesquilinear form on hilbert spaces
		Hilbert adjoint operator
Holiday - 05.02.2022 - Vasant Panchami	
SUNDAY - 6.02.2022	
18	**February (7-12)**	Existence and uniqueness
		Properties of hilbert adjoint operator
		Self Adjoint and its theorems
		Unitary operator
		Normal operator
		Positive and Projection operator
SUNDAY - 13.02.2022	
19	**February (14-19)**	Zero operator & its theorems
		Problem discussions of section-4
		Test of section-4
		Revision
		Discussion of previous year question papers
		Discussion of previous year question papers
SUNDAY - 20.02.2022	
20	**February (21-22)**	Test of previous year question paper
		Test discussion

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(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022)   (Odd Semester)

Weekly Lesson Plan   PG IIIrd Semester

Name of the Paper:- Algebraic Coding Theory   Class: MSc Mathematics (Final)

Name of the Teachers (Section wise): Sakshi Sharma

WEEK	DATE	TOPICS
1	**October (6 - 9)**	Orientation Programme
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		Orientation Programme
		Orientation Programme
		SUNDAY - 10.10.2021
2	**October (11-16)**	Havan
		Introduction to Algebraic Coding Theory - Basic terms and definition
		Introduction to Algebraic Coding Theory - Basic terms and definition
		Block Codes, Minimum distance of a code
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Principle of maximum likelihood , Binary error detecting codes
		SUNDAY - 17.10.2021
3	**October (18-23)**	Binary error correcting codes
		Binary error correcting codes
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		Group Codes, minium distance of a group code
		(m,m+1) Parity check codes
		Double and triple repition codes
		SUNDAY - 24.10.2021
4	**October (25 -30)**	Double and triple repition codes
		Matrix Code
		Generator Matrix
		Decoding by Coset Leaders
		Parity check Matrix
		Doubt Clearing Class
	VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK	

5	November (8 -13)	Relation between Generator and Parity Check matrix over binary field
		Polynomial Code, polynomial code is a group code
		Error polynomial, Exponent of a function
		Polynomial code as a matrix code
		Numericals to find Parity ckeck matrix for given polynomial code
		Numericals to find Parity ckeck matrix for given polynomial code
SUNDAY - 14.11.2021		
6	November (15 -20)	Binary representation of a number
		Hamming Codes-Definition and Construction
		Minimum distance of a Hamming Code
		Doubt Clearing Class
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		Class test of the topics covered
SUNDAY - 21.11.2021		
7	November (22-27)	Finite fields
		Construction of finite fields
		Primitive element of a finite field
		Irreduciblity of polynomials over finite field
		Numericals to find monic irreducible polynomial of given degree and field
		Numericals to find monic irreducible polynomial of given degree and field
SUNDAY - 28.11.2021		
8	November (29-30) December (1-4)	Extension of field, Finite extension is algebraic
		Kronecker's Theorem, Splitting Field
		Primitive polynomial over finite field
		Doubt Clearing Class
		Automorphism groups of GF(q^n),Normal basis of GF(q^n)
		Automorphism groups of GF(q^n),Normal basis of GF(q^n)
SUNDAY - 5.12.2021		
9	December (6-11)	Number of irreducible polynomials over a finite field
		Order of an irreducible polynomial
		Order of an irreducible polynomial
		Generator polynomial of BCH codes and construction
		Numericals based on the construction of binary BCH Code
		Numericals based on the construction of binary BCH Code
SUNDAY - 12.12.2021		
10	December (13-18)	Doubt Clearing Class
		Class test of the topics covered
		Linear Codes, Generator matrices of linear codes
		Equivalent codes and permutation matrices
		Equivalent codes and permutation matrices
		Relation between generator and parity check matrix of a linear codes over a finite field
SUNDAY - 19.12.2021		

11	**December (20-25)**	Relation between generator and parity check matrix of a linear codes over a finite field
		Dual code of a linear code
		Self dual codes
		Weight distribution of a linear code
		Weight distribution of a linear code
Holiday -25.12.2021 - Christmas	

SUNDAY - 26.12.2021

12	**December (27-31)**	Weight enumerator of a linear code
		Hadamard Transform
		Macwilliams identity for binary linear codes
		Doubt Clearing Class
		Maximum distance separable codes (MDS Codes)
	January (1)	Maximum distance separable codes (MDS Codes)

SUNDAY -02.01.2022

13	**January (3-8)**	Examples of MDS Codes
		Examples of MDS Codes
		Characterisation of MDS Codes in terms of generator and parity check matrices
		Dual code of a MDS code
		Trivial MDS codes
		Trivial MDS codes

SUNDAY - 09.01.2022

14	**January (10-15)**	Weight distribution of a MDS code
		Number of code words of minimum distance d in a MDS Code
		Number of code words of minimum distance d in a MDS Code
		Reed Solomor Codes
		Reed Solomor Codes
		Doubt Clearing Class

SUNDAY - 16.01.2022

15	**January (17-22)**	Class test based on the topics covered
		Hadamard Matrices
		Hadamard Matrices
		Existence of a Hadamard Matrix of order n
		Normalised Hadamard matrix of order n
		Hadamard Codes from Hadamard matrices

SUNDAY - 23.01.2022

16	January (24-29)	Cyclic Codes
		Cyclic Codes
		Holiday - 26.01.2022 - Republic day
		Doubt Clearing Class
		Generator polynomial of a cyclic code
		Generator polynomial of a cyclic code
	SUNDAY - 30.01.2022	
14	January(31)	Check polynomial of a cyclic code
	February(1-4)	Check polynomial of a cyclic code
		Examples of cyclic codes
		Examples of cyclic codes
		Hamming and BCH codes as cyclic codes
	Holiday - 05.02.2022 - Vasant Panchami	
	SUNDAY - 6.02.2022	
15	February (7-12)	Hamming and BCH codes as cyclic codes
		Perfect Codes
		Perfect Codes
		The Gilbert-varsha-move and Plotkin bounds
		The Gilbert-varsha-move and Plotkin bounds
		Self dual binary cyclic codes
	SUNDAY - 13.02.2022	
16	February (14-19)	Self dual binary cyclic codes
		Doubt Clearing Class
		Class test of the topics covered
		Problems discussion and revision
		Problems discussion and revision
		Problems discussion and revision
	SUNDAY - 20.02.2022	
17	February (21-22)	Problems discussion and revision
		Problems discussion and revision