



Aggarwal College Ballabgarh

LESSON PLAN 18 WEEKS (JULY-NOV)-2024

Name of Faculty: Dr. Geeta Tripathi
Designation/ Department: Assistant Professor in Mathematics

CLASS: B.SC (HONS.) MATHS

SEMESTER: First

SECTION:

SUBJECT: Function and Algebra

WEEK	DATE	TOPIC TO BE COVERED
1	1-08-2024	-----
	2-08-2024	-----
	3-08-2024	-----
	4-08-2024	S. U. N. D. A. Y.
	5-08-2024	Relation: Definition and basic concepts
	6-08-2024	Examples related to the topic
	7-08-2024	H.O.L.I. D. A. Y.
2	8-08-2024	-----
	9-08-2024	-----
	10-08-2024	-----
	11-08-2024	S. U. N. D. A. Y.
	12-08-2024	Functions along with domain
	13-08-2024	Functions along with Range
	14-08-2024	Composition of functions
3	15-08-2024	H.O.L.I. D. A. Y.
	16-08-2024	-----

	17-08-2024	-----
	18-08-2024	S. U. N. D. A. Y.
	19-08-2024	H.O.L.I. D. A. Y.
	20-08-2024	Contd....
	21-08-2024	Invertibility and inverse of functions
4	22-08-2024	-----
	23-08-2024	-----
	24-08-2024	-----
	25-08-2024	S. U. N. D. A. Y.
	26-08-2024	HOLIDAY
	27-08-2024	Continue the same topic
	28-08-2024	One-to-one correspondence
5	29-08-2024	-----
	30-08-2024	-----
	31-08-2024	-----
	1-09-2024	S. U. N. D. A. Y.
	2-09-2024	Cardinality of a set
	3-09-2024	Doubts related to the topic
	4-09-2024	Revision test
6	5-09-2024	-----
	6-09-2024	-----
	7-09-2024	-----
	8-09-2024	S. U. N. D. A. Y.

	9-09-2024	Relation b/w the roots and coefficients of polynomial in one variable
	10-09-2024	Contd..
	11-09-2024	Solutions of polynomial equations having conditions on roots
7	12-09-2024	-----
	13-09-2024	-----
	14-09-2024	-----
	15-09-2024	S. U. N. D. A. Y.
	16-09-2024	Contd...
	17-09-2024	Common roots and multiple roots
	18-09-2024	Transformation of equations
8	19-09-2024	-----
	20-09-2024	-----
	21-09-2024	-----
	22-09-2024	S. U. N. D. A. Y.
	23-09-2024	H.O.L.I. D. A. Y.
	24-09-2024	Nature of the roots of an equation
	25-09-2024	Contd..
9	26-09-2024	-----
	27-09-2024	-----
	28-09-2024	-----
	29-09-2024	S. U. N. D. A. Y.
	30-09-2024	Descarte's rule of signs
	1-10-2024	Solution of cubic equation

	2-10-2024	HOLIDAY
10	3-10-2024	-----
	4-10-2024	HOLIDAY
	5-10-2024	-----
	6-10-2024	S. U. N. D. A. Y.
	7-10-2024	Biquadratic equations and their solutions
	8-10-2024	Continue the same topic
	9-10-2024	Doubts related to the topic
11	10-10-2024	-----
	11-10-2024	-----
	12-10-2024	HOLIDAY
	13-10-2024	S. U. N. D. A. Y.
	14-10-2024	Matrix and its types: Definitions and basic concepts
	15-10-2024	Examples based on symmetric and skew-symmetric matrix
	16-10-2024	Examples based on Hermitian and Skew-Hermitian matrix
12	17-10-2024	HOLIDAY
	18-10-2024	-----
	19-10-2024	-----
	20-10-2024	S. U. N. D. A. Y.
	21-10-2024	Examples based on Unitary and Orthogonal matrix
	22-10-2024	Examples based on Idempotent, Involuntary and Nilpotent matrix
	23-10-2024	Rank of a matrix, Row rank and Column rank of a matrix
13	24-10-2024	-----
	25-10-2024	-----

	26-10-2024	-----
	27-10-2024	S. U. N. D. A. Y.
	28-10-2024	DIWALI BREAK
	29-10-2024	DIWALI BREAK
	30-10-2024	DIWALI BREAK
14	31-10-2024	DIWALI BREAK
	1-11-2024	DIWALI BREAK
	2-11-2024	DIWALI BREAK
	3-11-2024	S. U. N. D. A. Y.
	4-11-2024	Elementary operations on matrices, Inverse of a matrix, Normal and PAQ form
	5-11-2024	Linearly dependent and independent of rows and columns of matrix
	6-11-2024	Applications of matrices of homogeneous and non-homogeneous equations
15	7-11-2024	-----
	8-11-2024	-----
	9-11-2024	-----
	10-11-2024	ZONAL YOUTH FESTIVAL
	11-11-2024	ZONAL YOUTH FESTIVAL
	12-11-2024	ZONAL YOUTH FESTIVAL
	13-11-2024	HOLIDAY
16	14-11-2024	-----
	15-11-2024	H.O.L.I.D.A.Y.
	16-11-2024	-----
	17-11-2024	S. U. N. D. A. Y.
	18-11-2024	Theorems on consistency of a system of linear equations

	19-11-2024	Continue the same topic
	20-11-2024	Doubts related to the topic
17	21-11-2024	-----
	22-11-2024	-----
	23-11-2024	-----
	24-11-2024	S. U. N. D. A. Y.
	25-11-2024	Eigen values, Eigen vectors and characteristics equation of a matrix
	26-11-2024	Minimal polynomial of a matrix
	27-11-2024	Cayley-Hamilton theorem and its uses
18	28-11-2024	-----
	29-11-2024	-----
	30-11-2024	-----
	1-12-2024	S. U. N. D. A. Y.
	2-12-2024	Diagonalization of a matrix
	3-12-2024	Doubts related to the topic
	4-12-2024	Class test
	5-12-2024	-----

Signature