



Aggarwal College Ballabgarh

LESSON PLAN
18 WEEKS (JULY-NOV)-2024

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

CLASS: B.Sc.(H)Maths-2

SEMESTER: III

SECTION:

SUBJECT: ADVANCED CALCULUS

WEEK	DATE	TOPIC TO BE COVERED
1	1-08-2024	definition of continuity
	2-08-2024	properties of continuous functions
	3-08-2024	Definition of uniform continuity
	4-08-2024	S. U. N. D. A. Y.
	5-08-2024	Problems related with uniform continuity
	6-08-2024	Chain rule of differentiability
	7-08-2024	H.O.L.I. D. A. Y.
2	8-08-2024	Problems related with the above topic
	9-08-2024	Proof of Rolle's theorem
	10-08-2024	Problems related with the above topic
	11-08-2024	S. U. N. D. A. Y.
	12-08-2024	Lagrange's mean value theorem
	13-08-2024	Problems related with the above topic
	14-08-2024	Geometrical interpretation of Rolle's and lagrange's mean value theorem
3	15-08-2024	H.O.L.I. D. A. Y.
	16-08-2024	Proof of Darboux theorem

	17-08-2024	Revision test
	18-08-2024	S. U. N. D. A. Y.
	19-08-2024	H.O.L.I. D. A. Y.
	20-08-2024	Indeterminate forms
	21-08-2024	Problems related with the above topic
4	22-08-2024	Problems related with the above topic
	23-08-2024	Problems related with the above topic
	24-08-2024	Problems related with the above topic
	25-08-2024	S. U. N. D. A. Y.
	26-08-2024	HOLIDAY
	27-08-2024	Definition of limit and continuity
	28-08-2024	Theorems related with continuity
5	29-08-2024	Problems related with continuity
	30-08-2024	Partial differentiation
	31-08-2024	Problems related with the above topic
	1-09-2024	S. U. N. D. A. Y.
	2-09-2024	Problems related with the above topic
	3-09-2024	Problems related with the above topic
	4-09-2024	Definition of composite functions
6	5-09-2024	Problems related with the above topic
	6-09-2024	Implicit functions
	7-09-2024	Homogenous functions
	8-09-2024	S. U. N. D. A. Y.

	9-09-2024	Theorem related with homogenous functions
	10-09-2024	Problems related with the above topic
	11-09-2024	Euler's theorem
7	12-09-2024	Revision test
	13-09-2024	Problems related with Euler's theorem
	14-09-2024	Taylor's theorem
	15-09-2024	S. U. N. D. A. Y.
	16-09-2024	Problems related with the above topic
	17-09-2024	Problems related with the above topic
	18-09-2024	Revision test
8	19-09-2024	Differentiability of real valued functions
	20-09-2024	Theorem related with the above topic
	21-09-2024	Problems related with the above topic
	22-09-2024	S. U. N. D. A. Y.
	23-09-2024	H.O.L.I. D. A. Y.
	24-09-2024	Problems related with the above topic
	25-09-2024	Schwarz theorem
9	26-09-2024	Revision test
	27-09-2024	Implicit function theorem
	28-09-2024	Problems related with the above topic
	29-09-2024	S. U. N. D. A. Y.
	30-09-2024	Maxima, Minima and saddle points
	1-10-2024	Problems related with the above topic

	2-10-2024	HOLIDAY
10	3-10-2024	Problems related with the above topic
	4-10-2024	HOLIDAY
	5-10-2024	Problems related with the above topic
	6-10-2024	S. U. N. D. A. Y.
	7-10-2024	Revision test
	8-10-2024	Lagrange's method of multiplier
	9-10-2024	Problems related with the above topic
11	10-10-2024	Problems related with the above topic
	11-10-2024	Tangents, principal normal, Binormals
	12-10-2024	HOLIDAY
	13-10-2024	S. U. N. D. A. Y.
	14-10-2024	Theorem related with the above topic
	15-10-2024	Problems related with the above topic
	16-10-2024	Serret-frenet formulae
12	17-10-2024	HOLIDAY
	18-10-2024	Problems related with the above topic
	19-10-2024	Locus of centre of spherical curvature
	20-10-2024	S. U. N. D. A. Y.
	21-10-2024	Problems related with the above topic
	22-10-2024	Problems related with the above topic
	23-10-2024	Revision test
13	24-10-2024	Involutes
	25-10-2024	Problems related with the above topic

	26-10-2024	Evolutes
	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	Problems related with the above topic
	5-11-2024	Bertrands curves
	6-11-2024	Problems related with the above topic
15	7-11-2024	Tangent planes
	8-11-2024	One parameter family of surfaces
	9-11-2024	Problems related with the above topic
	10-11-2024	ZONAL YOUTH FESTIVAL
	11-11-2024	ZONAL YOUTH FESTIVAL
	12-11-2024	ZONAL YOUTH FESTIVAL
	13-11-2024	Envelopes
16	14-11-2024	Problems related with the above topic
	15-11-2024	H.O.L.I.D.A.Y.
	16-11-2024	Problems related with the above topic
	17-11-2024	S. U. N. D. A. Y.
	18-11-2024	Revision of unit I

	19-11-2024	Continued
	20-11-2024	Revision of unit II
17	21-11-2024	Continued
	22-11-2024	Revision of unit III
	23-11-2024	Continued
	24-11-2024	S. U. N. D. A. Y.
	25-11-2024	Continued
	26-11-2024	Revision of unit IV
	27-11-2024	Continued
18	28-11-2024	Continued
	29-11-2024	Continued
	30-11-2024	Revision Of Previous Year Question Papers
	1-12-2024	S. U. N. D. A. Y.
	2-12-2024	Continued
	3-12-2024	Continued
	4-12-2024	Continued
	5-12-2024	Continued

Signature