

## Lesson Plan for (2019-20)

MCM DAV College for Women, Sector – 36A, Chandigarh  
Monthly Teaching Plans ( Semester III)  
Session – (2019-20)

Department: Mathematics

Class B A/ B Sc II Subject : Mathematics

Section (s) NM A, B & Voc

Name of the Teachers : Dr Leetika , Dr Sonica, Ms Manisha, Ms Chitra

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
Advanced Calculus I	25 <sup>nd</sup> July,	31 August ,	Limit and continuity, Partial differentiation and differentiability, Change of variables, Schwarz and young theorems	Lecture method, discussions
	1 <sup>st</sup> September	10 <sup>th</sup> October	Inverse and implicit functions, , Euler's theorem	Assignments, Test
	18 <sup>th</sup> October	29 <sup>th</sup> November	, Taylors theorem , jacobians, Evolutes, Maxima minima, Lagrange's multiplier method	Discussion of exam pattern and previous question papers
Differential equations II	25 <sup>nd</sup> July,	31 August ,	Exact differential eqns, First and higher order eqns, Clairaut form,	Introduction of syllabus , exam pattern, doubt sessions
	1 <sup>st</sup> September	10 <sup>th</sup> October	Singular solutions, Orthogonal trajectories, Linear diff eqns with constant	Extra questions, MST
	18 <sup>th</sup> October	29 <sup>th</sup> November	and variable coeffs, linear diff eqns of second order, simultaneous diff eqns	Revision of few selected topics, Discussion of previous question papers
Statics	25 <sup>nd</sup> July,	31 August ,	Concurrent forces, components Resolved parts of a force, Resultant of forces	Lecture, Assignments, Test
	1 <sup>st</sup> September	10 <sup>th</sup> October	Equilibrium of three forces, Lami's theorem, Parallel forces, moments and couples, Equivalent couples	Quiz, discussion,
	18 <sup>th</sup> October	29 <sup>th</sup> November	Varignon's theorem, resultant of a force and couple, equilibrium conditions, Friction.	Revision of few selected topics, Discussion of previous question papers
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus was held after each unit of lesson plans				

\*Any of these – (i) Lecture Method; (ii) PPT; (iii) Online Sources; (iv) Group Discussion; (v) Case Studies etc.

Other Methods adopted by the teacher – Please write the specific teaching method