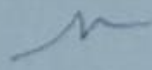


CHATRA COLLEGE CHATRA

LECTURE PLAN

Name of the Teacher: H.K. Mathur
 Department: Maths in Arts

Class	Topic	Date	Expected No. of Lectures
2 nd Sem	<u>C6-1</u> Metric spaces - - - separable spaces		15-20
	cont. mappings - - - Banach Fixed Point Thm		10
	limits - - - differentiability		15
	Analytic fns - - - mapping		15-20
<u>C6-2</u>	poly. maps - - - bounded domains		25
	cont. maps - - - lin. operator		20
	inner product spaces - - - spectral Thm		25
<u>C6-3</u>	Thm of C^1 fns - - - df_x		20
	Synthetic - - - f'_x		20
	Synthetic - - - g'_x		20
	Stationary - - - g'_x		20
<u>C6-4</u>	analytical - - - eigenvalues		25
	values - - - Markov's law		20
	critical points, Taylor's law of order		15
<u>Aug 21</u>	<u>C7-1</u> Real Analysis		50-60
	<u>C7-2</u> Diff. eqns		50-60
<u>Aug 22</u>	<u>C7-1</u> numerical methods		50-60
	<u>C7-2</u> Power series + series of $\frac{1}{n^2}$		50-60
	<u>C7-3</u> Hyperbolic + Linear Algebra 2		50-60


Signature of Teacher