

CHAPTER		PAGE
5. 3.	Oscillation of a Function	265
5. 4.	Limits of Functions	266
5. 5.	Some Basic Theorems on Limits	267
5. 6.	Some Useful Limits	267
5. 7.	Continuity	268
5. 8.	Geometrical Meaning of Continuity	268
5. 9.	Another Definition of Continuity	269
5.10.	Equivalence of Def. (α) and Def. (β)	270
5.11.	Discontinuity	270
5.12.	Types of Discontinuities	270
5.13.	Saltus	270
5.14.	Some Basic Theorems on Continuity	284
5.15.	Properties of Functions Continuous in $[a, b]$	284
5.16.	Uniform Continuity	286
5.17.	Monotonic Functions	292
6.	Derivability of Functions	294
6. 1.	Introduction	300
6. 2.	Derivability of f at an Interior Point	304
6. 3.	Geometrical Interpretation of a Derivative of f	311
6. 4.	Continuity and Derivability	311
6. 5.	Some Basic Theorems on Derivatives	314
6. 6.	Sign of Derivative of f at a Point	315
6. 7.	Rolle's Theorem	321
6. 8.	Lagrange's Mean Value Theorem	327
6. 9.	Cauchy's Mean Value Theorem	329
6.10.	Taylor's Generalized Mean Value Theorem (or simply Taylor's Theorem)	333
6.11.	Taylor's Series	344
6.12.	Maclaurin's Expansions of Some Basic Functions	349
6.13.	Maxima and Minima (Extreme Values) of a Function	354
6.14.	Indeterminate Forms	356
Answers		363
		374
		396