

Syllabus for remedial classes Mathematics session 2016-2017

Class- BCA Sem-I

Teacher- Ms. Deepali

Matrices: Matrix addition and scalar multiplication , transpose and inverse of matrix, solution of system of linear equations using matrices and Cramer rule. Properties of determinants , characteristics polynomial, eigen values, nature of eigen values , certain types of matrices, Cayley – Hamilton theorem. Differentiation: Laws of derivative, Chain rule, Differentiation using log, repeated derivatives, derivatives of implicit functions. Integration of algebraic, Logarithmic and Exponential function, Integration of functions using partial fraction, Integration of functions by parts, Definite integral. Venn diagrams, statement problems, Associative laws, Distributive laws, DeMorgan's laws