

BESI-1T:APPLIED MATHEMATICS – I

❖ Course Outcome:

After the completion of Course, Students will be able to.....

Course Outcome No.	Course Outcome	Bloom's Level	Level
BESI-1T 1	Find nth derivatives of different functions and Solve relevant problems.	Level 1, Level 3	PO1, PO2
BESI-1T 2	Apply knowledge of partial differentiation in various methods such as jacobians, chain rule and eular's theorem	Level 3	PO 1,PO2
BESI-1T 3	Apply ideas of matrices in solving problems involving systems of linear equations and linear programming problems and find rank of matrices for further application	Level 3, Level 1	PO1, PO2
BESI-1T 4	Interpret the various solutions of system of equations of first order and Solve them	Level 2 Level 3,	PO 1,PO2
BESI-1T 5	Determine the various physical quantities using higher order differential equation	Level 5	PO 1 , PO2,
BESI-1T 6	Define Complex Numbers in Cartesian, Polar, Trigonometric, Exponential and Logarithmic form, and use the theory of complex numbers to solve various practical problems in Engineering and Sciences	Level 1, Level 3	PO 1, PO2

BESIL-1T: APPLIED MATHEMATICS – IL

❖ Course Outcome:

After the completion of Course, Students will be able to.....

Course Outcome No.	Course Outcome	Bloom's Level	Level
BESII-1T1	solve special type of integration known as Beta and Gamma function and utilize it for further application.	Level 3,	PO1, PO2
BESII-1T2	Analyze the information of curve from given equation & draw the curve and find area & volume.	Level 1, Level 4,	PO 1,PO2
BESII-1T3	Solve double integration and evaluate length, area, surface area and volume	Level 3, Level 5	PO1, PO2
BESII-1T4	Apply the knowledge of differentiation of scalar and vector function to Evaluate Gradient, Divergence and Curl	Level 3 Level 5	PO 1,PO2
BESII-1T5	Apply the knowledge of integration of scalar & vector function & evaluate line and surface integral.	Level 3, Level 5	PO 1 , PO2,
BESII-1T6	Apply the knowledge of shifting operator & finite difference operator to solve the interpolation problem.	Level 3	PO 1, PO2