Experiment-6. Pom 3- To study & plot the polar plot of any higher order transfer function. Software Used: MATIAB 2016 6. Theory: The polar plot is a plot which can la drawn between the magnitude & phase anglo of transfer function by varying from 0 to . The graph shoets consists of concentrue wide & Ladial lines. The concentruic wicles is the readices lines supresented by the magnitude & phase angle suspectively These angles can be supresented by (+ve) values in anti clockwise direction. Similarly we can represent angles with negatives in clarifical direction Practical Solve: Transfer Function: GS). US) s (+S) S = JW;  $G(W) U(W) = \frac{1}{(W)(H)}W)$ 19(0) H(w) 1 = 1 /9 (10) (10) = w. Result: Successfully implemented on MATLAB.