Assignment-I

- 1. Ralculate, the raine of 1103 + 199, correct to four significant
 - 2. Find relative error in the quotient 4.536, the number being correct to the digits gran.
 - 3. Write down the Taylor's series expansion of f(x) = cosx at x = II/3 in terms of the and its derivatives at x = II/4. Compute the approximations from Zeroth order to bibth order and also states the absolute error in each care.
 - 4. T $Smx = x \frac{x^3}{L^3} + \frac{x^5}{L^5} \frac{x^7}{L^7} + \cdots$

value 4 sm 250 to an accuracy of 0.001.