➢Assumption and description.

• I have taken 50 points linearly spaced as inputting values 50 was too much pain and the results coming out weren't looking nice.

• First, I have plotted a scatter plot of the original function g(x).

• I then have made a function to add 5%, 7% and 10% noise amplitudes, to the function g(x), the new functions hence obtained are named g1(x), g2(x) and g3(x) respectively.

• Then I have plotted scatter plots g1(x), g2(x) and g3(x).

• I have then used scipy for finding the curve fit for the three functions plotted the data hence obtained.

Sir, I hereby request you to see the pdf of python notebook (End_Sem_2) and the attached python code.