

SEMESTER-V HONOURS EXAMINATION '2020
SUBJECT: PHSA PAPER:CC-11-P
FM-30

1. Write a python script to calculate the energy eigenvalues of a particle subjected to finite potential well. Also use matplotlib to plot the eigenfunctions. Take the strength parameter $\gamma=5$

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2. Apply shooting algorithm to compute the eigenfunctions of a linear harmonic oscillator for $n=0,1,2,3,4$. Plot the eigenfunctions using matplotlib.

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