Average reward using actor-critic RL  $\gamma = 0.9, \, \alpha_{\theta} = 0.001, \, \alpha_{\upsilon} = 0.0001$ Average Reward  $\begin{array}{l} \boldsymbol{-} \; \boldsymbol{\sigma}_{\, \boldsymbol{x}} = \boldsymbol{2} \\ \boldsymbol{-} \; \boldsymbol{\sigma}_{\, \boldsymbol{x}} = \boldsymbol{1} \end{array}$  $-\sigma_x = 0.5$ 500 1000 1500 **Episodes**