## Ans. to the gues. No. 2

The cone difference of RNN, Peephole-LSTM and GRV-RNN has no cell state. It only works on single function. Peophole-LSTM has cell state, and it allows peoping into the memory. GRU has no cell state, and less gates than

LSTM. The basic difference of LSTM Jonget gate and GRU's

LSTM fonget gate - it works slowly. So, it fonget the initial memony when the latest data is too large,

It decides which data need to forget in the cell

ft= 8(Mf[ht-1 xt]+bf)

GRV Reset gate - it determiner the amount of part information need to forget and work independently. nt= 6(Wzxt + V2 ht-1)

