\_ D

إ

Ans to Question No-4

vanishing gradient problem solve the shorting problem in RNN. When there is a long data set in ANN vanishing gradient work find time.

LSTM use sigmoid or tank to solve the vanishing gradient problem.

Forget gate controls how much dater to same remember. The sigmaid layer controls how much each component shoulputs get. If the number is a all will be forgothen but it it is I all the Juta will be passed. Ct = ft \*Ct-1+1+ \*Ct

here, for can handle vanishing gradient