

Ans 3: The update gate is responsible for determining the amount of previous information prior time steps that needs to be passed along the next state. It is concerned with how much the past information needs to be maintained and the information to be passed to the future.

The reset gate is used from the model to decide how much the past information is needed to neglect.

GRU has two gates, namely reset and update gates. LSTM has three gates, namely input, output and forget gates. GRU controls the flow of information like the LSTM unit, but without having to use a memory unit and so GRU exposes the full hidden content without any control. GRU is also less complex compared to LSTM, hence computationally more efficient.

GRU uses less training parameters and so uses less memory, hence execute and train faster.