14. Max of Sigmoid function ———
15. Min of sigmoid function. ———
16. Value at origin of sigmoid function —————
17. Differential of sigmoid function —————
18. Tanh activation function is ————
19. RelU activation function is :
20. Softmax function is : —————
21. Maxpool operation is ————————
22. Vanishing gradient problem is the following:

I. gradients increasing to a very high value

ii.when computing the gradients on the unrolled RNNs, the value of the gradients can drop to a very small value (close to zero).

- iii. Gradient becomes negative
- iv. None of the above
- 23. Gradient explosion problem is: i.gradients increasing to a very high value

ii.when computing the gradients on the unrolled RNNs, the value of the gradients can drop to a very small value (close to zero).

- iii. Gradient becomes negative
- iv. None of the above
- 24. Which of the following are true about Gradient clipping:
- I. Rescaling of norm of the gradient to a threshold when it goes very highII. Is a way to deal with Gradient explosion problem
- III. Both i & ii
- IV. None of the above
- 25. LSTM cell state is given by the equation —————
- 26. These are part of LSTM
- I. Output Gate
- II. Forget Gate
- III. I & ii
- IV. Memory Gate