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## Multiple Choice

**1 . One of the main challenges of NLP is**

- A ) Handling Tokenization*
- B ) Handling Ambiguity of Sentences.*
- C ) Handling POS - Tagging*
- D ) All of the Above*

**2 .Morphological Segmentation**

- A ) Is an extension of propositional logic*
- B ) Does Discourse Analysis*
- C ) Separate words into individual morphemes and Identify the class of the morphemes.*
- D ) None*

**3.Natural Language Processing is divided into two subfields of**

- A ) Symbolic and Numeric*
- B ) Algorithmic and heuristic*
- C ) time and motion*
- D ) Understanding and Generation.*

**4.Expand TF - IDF : \_ \_ \_ \_ \_**

**5.Expand NLTK : \_ \_ \_ \_ \_**

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## **Questions :**

- 1 . Write Difference between ANN,CNN,RNN ?**
- 2. What is the Activation function and how does it work in Neural Networks,Explain Any 5 Activation Functions ?**
- 3.Explain Any Three-weight Initialization Techniques ?**
- 4.Explain briefly about LSTM & GRU with architectures ?**
- 5.Explain NPU and NLG ?**
- 6.What are the advantages and dis-advantages of NLP ?**
- 7.Explain the pipeline of NLP ?**
- 8. Explain the Ambiguity in NLP with examples ?**
- 9.Difference between SpaCy and NLTK ?**
- 10.Explain briefly about WordEmbedding Techniques ?**
- 11. Explain any Five NLP libraries ?**
- 12.Explain about the Saddle-point problem ?**
- 13 .Explain the different types of pooling ? Explain their Characteristics ?**
- 14.What is Stride ? What is the effect of high Stride on the feature map ?**
- 15. Explain the Architecture of ANN,CNN,RNN**

