

Natural Language Processing MCQ

 > MCQ Questions & Answer

Question 1 : Which of the following is not a learning approach for QA system

1. Unsupervised approach
2. Supervised approach
3. Knowledge based approach
4. Sense disambiguation approach

ANSWER

Sense disambiguation approach

Question 2 : Which of the following is not true input for the NLP?

1. Image
2. Text
3. Types input
4. Speech

ANSWER

Image

Question 3 : How is the word "changing" lematized?

1. chang
2. changin
3. chan
4. change

ANSWER

d

Question 4 : Image summarization finds the most representative images within an ____ collection

1. Text
2. Image
3. Sound
4. Word

ANSWER

Image



Question 5 : Which is not types of antonyms

1. Polar antonyms
2. Equipollent antonyms
3. Overlapping antonyms
4. Unipolar antonyms

ANSWER

Question 6 : Rule for removing suffix will be given in form "(Condition) S1 ® S2", where S1 is suffix. If the condition is "(*d)" then which of the following is correct interpretation?

1. The stem ends with S.
2. The stem contain vowel.
3. The stem ends with a double consonant (eg. -TT, -SS)
4. The stem ends CVC, where second C is not W, X, or Y

ANSWER**The stem ends with a double consonant (eg. -TT, -SS)****Question 7 : What is the main challenge of NLP?**

1. Handling Tokenization
2. Handling Ambiguity of Sentences
3. Cleaning Text
4. Filtering Text

ANSWER**Handling Ambiguity of Sentences****Question 8 : Identify odd one out**

1. Noun phrase
2. Verb phrase
3. Prepositional phrase
4. Sentences

ANSWER**Sentences****Question 9 : "The car hit the pole while it was moving." what type of ambiguity exists in above sentence?**

1. Semantic
2. Syntactic
3. Lexical
4. Pragmatic

ANSWER**a**

Question 10 : Which is standard notation for characterizing text sequences?

1. Regular expression
2. Syntactic expression
3. Semantic expression
4. Specific expression

ANSWER

a

Question 11 : Dictionary-based sentiment analysis is a computational approach relies on a pre-defined list (or dictionary) of sentiment-laden words.

1. probability model.
2. a pre-defined list of sentiment-laden words.
3. CRF
4. HMM

ANSWER

a pre-defined list of sentiment-laden words.

Question 12 : What Creates Problems In Machine Translation?

1. Different Level Of Ambiguities
2. Processing Power
3. Memory
4. Diversity

ANSWER

Different Level Of Ambiguities

Question 13 : TF-IDF helps in

1. Finding the most frequently occurring word in the document
2. Spelling Corrections
3. Stemming and Lemmatization
4. Removing stop words in the document

ANSWER

a

Question 14 : Given a sound clip of a person or people speaking, determine the textual representation of the speech.

1. Text-to-speech
2. Speech-to-text
3. Speech recognition
4. speech generation

ANSWER

Speech-to-text



Question 15 : What is Syntax Analysis?

1. This only abstracts the dictionary meaning or the real meaning from the given context.
2. This component transfers linear sequences of words into structures. It shows how the words are associated with each other.
3. It deals with the overall communicative and social content and its effect on interpretation. It means abstracting or deriving the meaningful use of language in situations.
4. It focuses about the proper ordering of words which can affect its meaning. This involves analysis of the words in a sentence by following the grammatical structure of the sentence. The words are transformed into the structure to show how the words are related to each other.

ANSWER

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Question 16 : Human Usually Write 'M, To State Am, In Which Type Of Morphology You Can Categorize The Example?

1. Plural Noun
2. Cliticization
3. Singular Noun
4. Inflectional

ANSWER

Cliticization

Question 17 : Which of the following best describes grammar induction?

1. Supervised learning problem
2. Maximum-A-Posteriori (MAP) estimation problem
3. Conditional Random Field problem and Unsupervised learning problem
4. Reinforcement Learning

ANSWER

Question 18 : _____ is the study of how the language is used to refer (and re-refer) to people and things?

1. Morphology
2. Syntactic
3. Sementic
4. Pragmatics

ANSWER

d

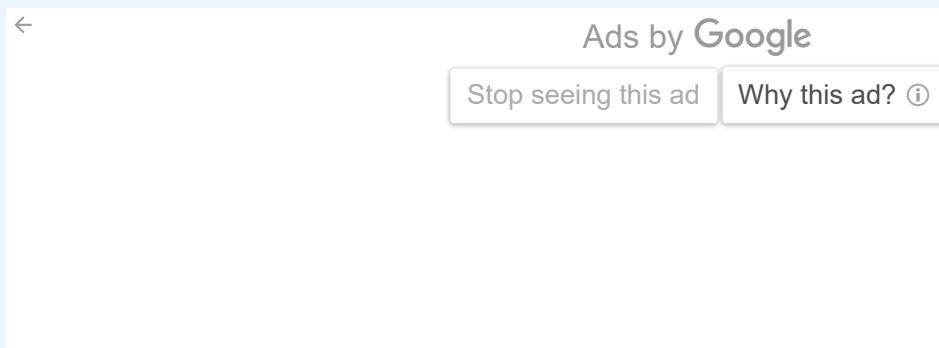
Question 19 : Which of the following is a kind of text summarization?

1. Topic-based summarization
2. Extraction-based summarization
3. History-based summarization
4. Summarizing a text or article

ANSWER**Extraction-based summarization**

Question 20 : *The words 'there' and 'their' causes which of the following type of ambiguity?*

1. Syntactic
2. Semantic
3. Phonological
4. Pragmatic

ANSWER**Phonological**

Question 21 : *Choose form the following areas where NLP can be useful*

1. Automatic Question-Answering Systems
2. Mobile Computing
3. Frontpage Designing
4. Web Development

ANSWER**Automatic Question-Answering Systems**

Question 22 : _____ Is the Third Stage in NLP?

1. Syntactic Analysis
2. Discourse Analysis
3. Semantic Analysis
4. Pragmatic Analysis

ANSWER**Semantic Analysis**

Question 23 : *Porter Stemmer algorithm use for _____.*

1. Lemmatization
2. Syntax Analysis



3. Stemming
4. Part of speech tagging

ANSWER**Stemming**

Question 24 : Who is the father of NLP?

1. Enjamin Bandler
2. Richard Bandler
3. Elijah Bandler
4. Marvin Minsky

ANSWER**Richard Bandler**

Question 25 : This type of automata maps between two sets of symbols.

1. DFA
2. Turing Machine
3. FST
4. NFA

ANSWER**FST**

Question 26 : The english words through and threw are examples of_____

1. Autonymy
2. Polysemy
3. Synonymy
4. Homophony

ANSWER**Synonymy**

Question 27 : _____ involves resolving words to their dictionary form

1. Overstemming
2. Understemming
3. Lemmatization
4. NER

ANSWER**Lemmatization**

Question 28 : Conceal - cover is a example of_____

1. Antonym
2. Synonym
3. Polysemy



4. Homonym

ANSWER

Synonym

Question 29 : When Spelling Changes Upon Combination Of Words Added, Belong To Which Type Of Rule?

1. Orthographic Rules
2. Grammer Rules
3. Bound Morpheme
4. Free Morpheme

ANSWER

Orthographic Rules

Question 30 : The standard approach to information retrieval system evaluation involves around the notion of:

1. Quantity of documents in the collection
2. Relevant and non relevant documents.
3. Accuracy
4. user happiness

ANSWER

Relevant and non relevant documents.

Question 31 : What is the right order for a text classification model components 1. Text cleaning 2. Text annotation 3. Gradient descent 4. Model tuning 5. Text to predictors

1. 12345
2. 13425
3. 12534
4. 13452

ANSWER

12534

Question 32 : Which of the following is true?

1. Given a CFG and its corresponding CNF, they both produce the same language.
2. For a given grammar, there can be only one CNF.
3. It requires ' $2n+1$ ' productions or steps in CNF to generate a string w of length 'n'.
4. CFG and CNF both are same

ANSWER

a

Question 33 : The list of web pages that a web crawler has queued up to index is called the:

1. Web Page Queue



- 2. Seed set
- 3. URL Filter
- 4. URL Frontier

ANSWER

Question 34 : HMM is used in _____ phase of NLP.

- 1. Syntactic
- 2. Semantic
- 3. Lexical
- 4. Pragmatics

ANSWER**a**

Question 35 : _____ Is The Type Of Morphology That Changes The Word Category And Affects The Meaning.

- 1. Inflectional
- 2. Derivational
- 3. Cliticization
- 4. Text-Proofing

ANSWER**Derivational**

Question 36 : "It is the inverse probability of the test data which is normalized by the number of words." This is the definition of

- 1. Language Model
- 2. N-gram
- 3. Perplexity
- 4. Laplace smoothing

ANSWER**Perplexity**

Question 37 : In HMMs, spaces are connected via _____ matrices {T,A} to represent the probability of _____ from one state to another following their _____

- 1. Transitions, Transitioning, Connections
- 2. Attribute, Changing, groups
- 3. Label, moving, sets
- 4. Attribute, moving, sets

ANSWER**Transitions, Transitioning, Connections**

Question 38 : Which of the following features cannot be used for accuracy improvement of a classification model?

1. Part of Speech Tag
2. Dependency Grammar
3. Vector Notation of sentence
4. Linear regression

ANSWER**Linear regression**

Question 39 : Perfect homonyms create problems in

1. Text Recognition
2. Information Retrieval
3. Text classification
4. Speech Recognition

ANSWER**d**

Question 40 : "I bought a beautiful dress at the mall". The part of speech of underline word is _____

1. Preposition
2. Adjective
3. Noun
4. Adverb

ANSWER**Adjective**

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Question 41 : Famous PYTHON NLP Toolkit is

1. NLTK
2. Panda
3. Stanford Core NLP
4. spacy

ANSWER**NLTK**

Question 42 : Given a sentence or larger chunk of text, determine which words ("mentions") refer to the same objects ("entities")

1. Anaphora Resolution
2. Coreference Resolution
3. Noun Resolution
4. Pronoun Resolution

ANSWER**Coreference Resolution**

Question 43 : WordNet is the _____ database

1. Symbol
2. Word
3. Lexical
4. Annotation

ANSWER**Lexical**

Question 44 : Headlines in newspaper: "Stolen gems found by Caves"

1. Anaphoric Ambiguity
2. Lexical Ambiguity
3. Syntax Ambiguity
4. Unknown Ambiguity

ANSWER**Unknown Ambiguity**

Question 45 : Among Which Of Following Models Identify Dependency Between Each State And The Entire Input Sequences

1. Conditional Random Fields
2. Maximum Entropy Markov Model
3. Naive Bayes Model
4. Depth-First Model

ANSWER**Conditional Random Fields**

Question 46 : -----is the study of internal structure of word.

1. Morphological Processing
2. Syntax Processing
3. Parser
4. Semantic Processing

ANSWER**Morphological Processing**

Question 47 : If we want to capture a request, or perform an action, use an _____.

1. entity
2. content
3. identity
4. intent

ANSWER

Question 48 : Given a set of unigram and bigram probabilities, what is the probability of the following sequence 'do Sam I like' according to the bigram language model? $P(do) = 2/11$, $P(do|Sam) = 1/11$, $P(Sam|) = 4/11$, $P(Sam|do) = 1/8$, $P(I|Sam) = 4/11$, $P(Sam|I) = 2/9$, $P(I|do) = 2/8$, $P(I|like) = 2/7$, $P(like|I) = 3/11$, $P(do) = 3/8$, $P(Sam) = 2/11$, $P(I) = 4/11$, $P(like) = 5/11$

1. $3/11 * 2/11 * 4/11 * 5/11$
2. $2/11 * 1/8 * 4/11 * 3/11$
3. $2/11 * 1/11 * 2/9 * 2/7$
4. $2/11 + 1/11 + 2/9 + 2/7$

ANSWER

2/11 * 1/8 * 4/11 * 3/11

Question 49 : Which are words that have the same form but have different, unrelated meanings

1. Polysemy
2. Homonyms
3. Synonymy
4. Antonymy

ANSWER

Polysemy

Question 50 : What Type Of Ambiguity Exists In The Word Sequence "Time Flies"?

1. Syntactic
2. Semantic
3. Phonological
4. Anaphoric

ANSWER

Semantic



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Question 51 : identify the odd one out

1. nltk
2. scikit learn
3. SpaCy
4. BERT

ANSWER

BERT

Question 52 : The Area Of Ai That Investigates Methods Of Facilitating Communication Between People And Computers Is:

1. Natural Language Processing
2. Symbolic Processing
3. Decision Support
4. Robotics

ANSWER

Natural Language Processing

Question 53 : Trains two independent LSTM language model left to right and right to left and shallowly concatenates them

1. GPT
2. BERT
3. ULMFit
4. ELMo

ANSWER

ELMo

Question 54 : "Rohan Was With Her, They Both Go Together", In The Given Sentence Who Is Her Is Unclear, Specify The Type Of Ambiguity ?

1. Semantic Ambiguity
2. Anaphoric Ambiguity
3. Pragmatic Ambiguity
4. Lexical Ambiguity

ANSWER

Anaphoric Ambiguity

Question 55 : Which of the following technique is used to remove semantic ambiguity?

1. Fuzzy Logic
2. Shallow Semantic Analysis
3. Syntactic analysis
4. Word Sense Disambiguation

ANSWER**d****Question 56 :** *What is outcome thinking?*

1. Knowing what you want rather than what you don't want.
2. Know about others
3. Know about the society None
4. language

ANSWER**Knowing what you want rather than what you don't want.****Question 57 :** *Identify the POS tag for the word "nice" in following sentence "It was indeed a nice night"?*

1. JJ
2. JJR
3. JJS
4. RB

ANSWER**a****Question 58 :** *What is the name for information sent from robot sensors to robot controllers?*

1. signal
2. temperature
3. feedback
4. pressure

ANSWER**-----****Question 59 :** *Typically the first or preliminary model of something, especially from which other forms are developed; helps explain the meaning of certain words e.g. (furniture-->desk, table) is called as _____*

1. Prototype
2. Metonymy
3. Hyponym
4. Homonyms

ANSWER**Prototype****Question 60 :** *Choose form the following areas where NLP can be useful.*

1. Automatic Text Summarization
2. Automatic Question-Answering Systems
3. Information Retrieval
4. Automatic Text Summarization & Automatic Question-Answering Systems & Information Retrieval

ANSWER**Automatic Text Summarization & Automatic Question-Answering Systems & Information Retrieval****Question 61 :** *GB theory dose not representation includes _____ -*

1. s-structure
2. d-structure
3. phonetic form.
4. parsing



ANSWER **phonetic form.**

Question 62 : In this technique, content is extracted from the original data, but the extracted content is not modified in any way

1. Extraction-based summarization
2. Abstraction-based summarization
3. Aided summarization
4. Keyphrase extraction

ANSWER **Extraction-based summarization**

Question 63 : Which sentence describes inflectional morphology?

1. Adding a morpheme to produce a new word but the same lexeme.
2. Adding a morpheme to produce a new word and different lexeme.
3. Adding a morpheme to produce the same word but different lexeme.
4. Adding a morpheme to produce the same sentence but different lexeme.

ANSWER **Adding a morpheme to produce a new word but the same lexeme.**

Question 64 : What is function of Sequence classifier(HMM)?

1. Assign some label or class to each unit in a sequence.
2. Assign part of speech to sequence.
3. Find probability
4. Calculate likelihood.

ANSWER **Find probability**

Question 65 : "I Saw The Boy With A Pony Tail ", What Type Of Ambiguity Does Sentence Have

1. Semantic Ambiguity
2. Pragmatic Ambiguity
3. Structured Ambiguity
4. Simplex

ANSWER **Semantic Ambiguity**

Question 66 : "You better go to the clinic", is which type of speech act?

1. Commissives
2. Directives
3. Declarations
4. Representatives

ANSWER **b**

Question 67 : Which of the following is not correct with respect to levels of semantic analysis?

1. Word level
2. Character level
3. Sentence level
4. Utterance level

ANSWER **Utterance level**

Question 68 : Which Of The Below Are Nlp Use Cases?

1. Detecting Objects From An Image
2. Facial Recognition



3. Speech Biometric
4. Text Summarization

ANSWER**Text Summarization**

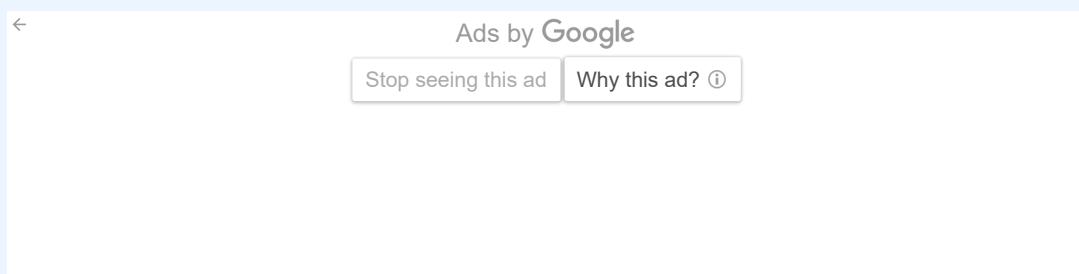
Question 69 : Semantics: ___ meaning, Pragmatics: ___ meaning

1. Presupposition
2. Literal; unconventional
3. Linguistic context
4. Physical context

ANSWER**Linguistic context**

Question 70 : Given a sound clip of a person or people speaking, determine the textual representation of the speech.

1. Text-to-speech
2. Speech-to-text
3. Text Summarization
4. Text Classification

ANSWER**Speech-to-text**

Question 71 : Named entity recognition is a technique to locate and classify _____ entities in unstructured text.

1. Proper Nouns
2. Verb
3. Adjective
4. Preposition

ANSWER**a**

Question 72 : Which of the factors affect the performance of learner system does not include?

1. Representation scheme used
2. Training scenario
3. Type of feedback
4. Good data structures

ANSWER**-----**

Question 73 : Which of the following is not a primitive operation of a regular expression?

1. Concatenation
2. Closure
3. Union
4. Projection

ANSWER**Projection**

Question 74 : Choose the correct answer to the following question: Which of the following words is an example of a preposition.

1. Into
2. If
3. Many
4. You

ANSWER**Into****Question 75 :**

1. Pragmatics
2. Disclosure
3. Semantic
4. Lexemes

ANSWER**Disclosure****Question 76 :** "He was running quickly into the stadium". What type of phrase is this?

1. Noun phrase
2. Verb phrase
3. Prepositional phrase
4. Adjectival phrase

ANSWER**Verb phrase****Question 77 :** Nouns, Verbs, Adjectives, Adverbs belong to ___ class type in POS

1. Join Class
2. Open Class
3. Sub Class
4. Closed class

ANSWER**Open Class****Question 78 :** What Was First Defined For Natural Language By Chomsky (1957)

1. Context-Free Grammar (Cfg)
2. Finite Automata (Fa)
3. Push Down Automata (Pda)
4. Turing Machine

ANSWER**Context-Free Grammar (Cfg)****Question 79 :** Two words with very closely related meanings

1. Antonyms
2. Homonyms
3. Synonyms
4. Hyponymy

ANSWER**Synonyms****Question 80 :** Following are examples of Artificial Languages except

1. C
2. English
3. Python
4. Scilab

ANSWER**English**

Question 81 : Homophones for the word piece

1. Peace
2. Conflict
3. Noise
4. Irritation

ANSWER Peace

Question 82 : A set of words that denotes a subcategory of a more general class

1. Hyponymy
2. Meronymy
3. Polysemy
4. Clines

ANSWER Hyponymy

Question 83 : In a HMM, the possible state transitions are from state JJ to states NN, VB, JJ and RB. Following are the known state transitions probabilities; $P(NN|JJ) = 1/4$. $P(VB|JJ) = 1/6$, and $P(JJ|JJ) = 1/3$. What is the transition probability value of $P(RB|JJ)$?

1. 01-04-2020 12:00:00 AM
2. 01-02-2020 12:00:00 AM
3. 01-05-2020 12:00:00 AM
4. 01-03-2020 12:00:00 AM

ANSWER 01-04-2020 12:00:00 AM

Question 84 : two or more words with the same form and related meanings by extension (foot of a person, of a bed, of a mountain); based on similarity

1. Metonymy
2. hyponymy
3. polysemy
4. hyponym

ANSWER polysemy

Question 85 : The word bank can be (river bank or financial institution) it denotes

1. Antonymy
2. Polysemy
3. Homonyms
4. Synonymy

ANSWER Homonyms

Question 86 : Beverage = coffee - tea - shake, is example of _____

1. Meronymy
2. Hyponymy
3. Polysemy
4. Clines

ANSWER Hyponomy

Question 87 : What can words often be divided into?

1. Morphemes

2. Lexemes
3. Paragraph
4. Stem

ANSWER **Morphemes**

Question 88 : *the entity that is involved in or affected by the action, or that is simply being described (The boy kicked --> the ball) (-->The ball was red.)*

1. denotation
2. semantic features
3. homophones
4. theme ("patient")

ANSWER **theme ("patient")**

Question 89 : *"I saw bats" contains which type of ambiguity?*

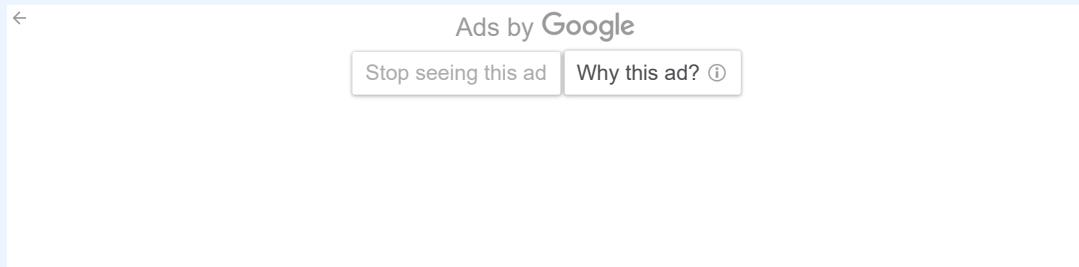
1. Syntactic
2. Semantic
3. Lexical
4. Anaphoric

ANSWER **C**

Question 90 : *What does 'discourse' refer to in the study of language?*

1. the vocabulary of a text
2. the structure, organisation and layout of a text
3. the meaning behind the vocabulary of a text
4. the mode of a text

ANSWER **the structure, organisation and layout of a text**



Question 91 : `re.findall(r '^\\d', " 3 is my favorite number")` What will the above regular expression do?

1. Will ignore all integers in text
2. Will search for digit at end
3. Will search for digit at the beginning
4. Searches for a pattern

ANSWER **-----**

Question 92 : *What is full form of NLU?*

1. Nature Language Understanding
2. Natural Long Understanding
3. Natural Language Understanding
4. Natural Language Understudy

ANSWER **Natural Language Understanding**



Question 93 : Which one of the following is type of spelling errors?

1. Sentence errors
2. Non-word errors
3. Non-cognitive errors
4. Syntax errors

ANSWER

Non-word errors

Question 94 : ___ are created when the constituents within the sentence describe the role of the entities (We look at the NP in a sentence to see who/what is creating the action in the VP); found in each sentence

1. Semantic Analysis
2. Semantics
3. Syntactic features
4. Semantic Roles

ANSWER

d

Question 95 : Pragmatic Analysis Is the _____ Stage in NLP?

1. First
2. Second
3. Fifth
4. Forth

ANSWER

Forth

Question 96 : Named entities can be recognized and classified by:

1. Viterbi Algorithm
2. Feature-based or neural sequence labelling techniques.
3. Hidden Markov Model
4. Maximum Likelihood Estimation

ANSWER

Feature-based or neural sequence labelling techniques.

Question 97 : "We always play football after work." Which is a prepositional phrase?

1. Always play football
2. After work
3. Always play
4. Football after

ANSWER

After work

Question 98 : Features that are used to represent the abstract letter pattern of the word by mapping lower-case letters to 'x', upper-case to 'X', numbers to 'd', and retaining punctuation are called as: (For example I.M.F would map to X.X.X. and DC10-30 would map to XXdd-dd)

1. Acronym
2. X-maps
3. Word Shape
4. Word Mapper

ANSWER

Word Shape

Question 99 : "He finished the show very well". What is part of speech of underlined word?

1. Noun



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 > MCQ Questions & Answer

Question 100 : *the entity that performs the action; can be human or non-human (-->The boy kicked the ball.)*

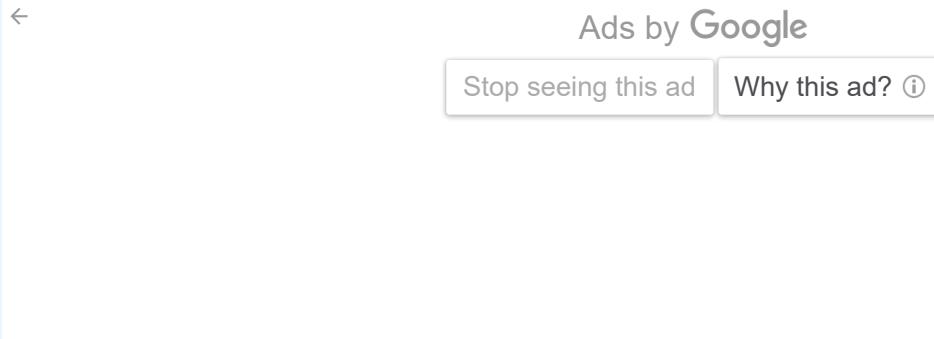
1. agent
2. source
3. instrument
4. hyponym

ANSWER

agent

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Question 101 : *How is the word "change" stemmed using Porter Stemmer?*

1. chan
2. chang
3. change
4. cha

ANSWER

b

Question 102 : *The words "bank/data bank/blood bank" is an example of -----*

1. Homophony
2. Synonymy
3. Polysemy
4. Hyponymy

ANSWER

c



Question 103 : "He lifted the beetle with red cap." contain which type of ambiguity ?

1. Lexical ambiguity
2. Syntax Level ambiguity
3. Referential ambiguity
4. Sentiment analysis

ANSWER

Syntax Level ambiguity

Question 104 : Generating natural, conversational language that explains complex concepts in a way that is easy to consume.

1. Intuitive
2. Relevant
3. Timely
4. Space

ANSWER

Intuitive

Question 105 : The metric to measure "the degree of control exerted by the stimulus" in emotion modeling is:

1. Controllability
2. Valence
3. Arousal
4. Dominance

ANSWER

Question 106 : In a relation between the entities the type and condition of the relation should be specified. That is called as _____ attribute.

1. Descriptive
2. Derived
3. Recursive
4. Relative

ANSWER

Descriptive

Question 107 : Following are the basic regular expression patterns, which one is incorrect pattern?

1. Disjunction
2. Caret
3. Ranges
4. Conjunction

ANSWER

Conjunction



Question 108 : Choose from the following areas where NLP can be useful.

1. Automatic Text Summarization
2. Automatic Question-Answering Systems
3. Information Retrieval
4. All of the above

ANSWER

All of the above

Question 109 : Which is not type of Sentiment Analysis?

1. Emotion Detection
2. Aspect based
3. Word based
4. Bilingual

ANSWER

Word based

Question 110 : Natural language understanding is used in:

1. natural language interfaces
2. natural language front ends
3. text understanding systems
4. All of the mentioned

ANSWER

All of the mentioned

Question 111 : Paraphrase detection does not much contributes to which NLP task

1. Text summarization
2. Document Clustering
3. Speech Recognition
4. Question Answering

ANSWER

Speech Recognition

Question 112 : For machine learning based tagger, which is required

1. Knowledge database of rules required
2. Knowledge database of rules not required
3. Learns automatically all rules
4. Knowledge database of rule, learning from database

ANSWER

Knowledge database of rule, learning from database



Question 113 : Automatic document classification doesn't techniques include

1. K-nearest neighbour algorithms
2. Support vector machines (SVM)
3. Predicate Logic
4. Naive Bayes classifier

ANSWER

Predicate Logic

Question 114 : The choice between two _____ is generally associated with some notion of spatial proximity.

1. inferrables
2. demonstratives
3. generics
4. noun phrase

ANSWER

Question 115 : HMM are designed to model the joint distribution $P(H, O)$, where H is the _____ state and O is the _____ state

1. Hidden, Observed
2. Unobservable, Hidden
3. Classified, Completed
4. Open, Completed

ANSWER

Hidden, Observed

Question 116 : "I Bought A Printer Today. The Printer Didn'T Work Properly." What Type Of Reference In The Discourse Context Is Done In This Statement?

1. Definite Reference
2. Indefinite Reference
3. Pronominal Reference
4. Demonstrative Reference

ANSWER

Definite Reference

Question 117 : Which of the following doesn't require application of natural language processing algorithm

1. Classifying spam emails from good ones
2. classifing image of scanned document as handwritten
3. Automatically generating captions for images
4. building a sentiment analyzer for tweets on twitter



ANSWER**Classifying spam emails from good ones****Question 118 : Morphological Segmentation?**

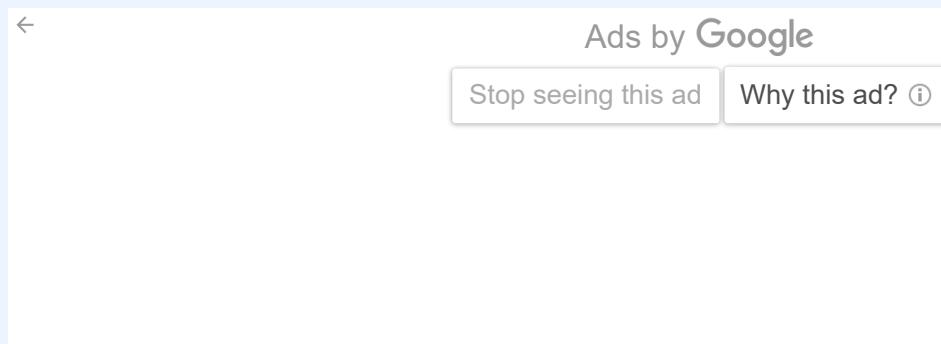
1. Does Discourse Analysis
2. Separate words into individual morphemes and identify the class of the morphemes
3. Is an extension of propositional logic
4. Analysis

ANSWER**Separate words into individual morphemes and identify the class of the morphemes****Question 119 : Cohesion : Textual Phenomenon :: Coherence : ?**

1. Textual Phenomenon
2. Mental Phenomenon
3. Physical Phenomenon
4. No Phenomenon

ANSWER**Mental Phenomenon****Question 120 : When we encounter two or more words with the same form and related meanings, we have what is known as _____**

1. Hyponymy
2. Polysemy
3. Homonyms
4. Source

ANSWER**Polysemy****Question 121 : Regular expressions are combination of simple units as given in options, select incorrect unit.**

1. Character or string
2. Concatenation
3. Kleen star
4. Conjunction

**ANSWER****Conjunction**

Question 122 : Beverage = coffee - tea - shake, is example of _____

1. Meronymy
2. Hyponymy
3. Polysemy
4. Clines

ANSWER

Hyponymy

Question 123 : The Words "Window" And "Room" Are In A Lexical Semantic Relation

1. Hypernym – Hyponym
2. Hypernym – Meronym
3. Holonym – Hyponym
4. Meronym – Holonym

ANSWER

Meronym – Holonym

Question 124 : History of Natural Language Processing does not include

1. Automata Theory
2. Compression Algorithms
3. CFG by Chomsky
4. Predicate and First Order Logic

ANSWER

Compression Algorithms

Question 125 : "He lifted the beetle with red cap." contain which type of ambiguity?

1. Lexical ambiguity
2. Syntax Level ambiguity
3. Referential ambiguity
4. Semantic Ambiguity

ANSWER

Syntax Level ambiguity

Question 126 : "He doesn't know" is an example of _____ _type of deixis

1. Personal
2. Time
3. Social
4. Space

ANSWER

b



Question 127 : Singular: Fish, Plural : Fish. Singular: Goose, Plural : Geese. Which rules are applied

1. Orthographic rule
2. NLP rules
3. Semantic rules
4. Morphological rule

ANSWER

Morphological rule

Question 128 : Typing buckled when you meant bucked is a type of which Spelling error

1. Non-word Errors
2. Real Word Errors
3. Cognitive Errors
4. Short forms/Slang/Lingo

ANSWER

Real Word Errors

Question 129 : Which Application Of Nlp Is Concerned With Identifying Documents Relevant To A User'S Query?

1. Speech Recognition
2. Natural Language Interfaces To Db
3. Information Extraction
4. Information Retrieval

ANSWER

Information Retrieval

Question 130 : Conditional random fields (CRFs) are a class of statistical modeling method often applied in

1. Morphology
2. Syntactic Analysis
3. Pattern recognition and machine learning
4. Discourse –reference resolution

ANSWER

Pattern recognition and machine learning

Question 131 : Where did the first recognisable NLP application developed ?

1. At Birkbeck College, London
2. At IBM Research.
3. At Thomas College , Newyork
4. At the University of America

ANSWER

At Birkbeck College, London



Question 132 : Assume a corpus with 350 tokens in it. We have 20 word types in that corpus ($V = 20$). The frequency (unigram count) of word types "short" and "fork" are 25 and 15 respectively. Which of the following is the probability of "short" ($\text{PMLE}(\text{"short"})$)?

1. 25/350
2. 26/370
3. 26/350
4. 25/370

ANSWER**25/350**

Question 133 : Different learning methods does not include?

1. Memorization
2. Analogy
3. Deduction
4. Introduction

ANSWER**Introduction**

Question 134 : A bottom up parser generates

1. Right most derivation
2. Rightmost derivation in reverse
3. Leftmost derivation
4. Leftmost derivation in reverse

ANSWER**Rightmost derivation in reverse**

Question 135 : The stem is not necessarily the linguistic root of the word.

1. True
2. False
3. Can't say
4. Random and unpredictable

ANSWER**True**

Question 136 : Correct rule to write noun phrase for the sentence "The foggy morning"

1. NP – (Det) (AP)Nom(PP)
2. NP – Det Noun
3. NP – Adj Noun
4. NP – Pronoun

ANSWER**-----**

Question 137 : How Many Different Lexemes Are There In The Following List? Man, Men, Girls , Girl , Mouse

- 1. 2
- 2. 3
- 3. 1
- 4. 4

ANSWER**3**

Question 138 : Which data is used to use supervised approach for Machine translation

- 1. Plain text
- 2. Labelled text
- 3. Dictionary
- 4. Vectors

ANSWER**Labelled text**

Question 139 : How many uni-grams phrases can be generated from the following sentence, after performing following text cleaning steps: Stop word Removal and Replacing punctuations by a single space i. "Delhi is the capital of but Mumbai is the financial capital of India."

- 1. 8
- 2. 7
- 3. 6
- 4. 5

ANSWER**5**

Question 140 : What are the input and output of an NLP system?

- 1. Speech and noise
- 2. Speech and Written Text
- 3. Noise and Written Text
- 4. Noise and value

ANSWER**Speech and Written Text**

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Question 141 : Which Algorithm Is Used For Solving Temporal Probabilistic Reasoning?

1. Hidden Markov Model
2. Breadth-First Search
3. Hill-Climbing Search
4. Depth-First Search

ANSWER**Hidden Markov Model****Question 142 : Which of these techniques is used for normalization in text mining?**

1. Rooting
2. Stop words removal
3. Removing stopwords
4. Text wrapping

ANSWER**-----****Question 143 : "Tubers" is a hyponym of ____**

1. Potatoes
2. Carrots
3. Roots
4. Vegetables

ANSWER**Potatoes****Question 144 : Which is NOT a conjunction?**

1. But
2. and
3. or
4. that

ANSWER**d****Question 145 : What Will Be The Perplexity Value If You Calculate The Perplexity Of An Unsmoothed Language Model On A Test Corpus With Unseen Words?**

1. Zero
2. Infinity
3. Any Non-Zero Value
4. Inefficient

ANSWER**Infinity**

Question 146 : Which of the following is the smallest unit within a language system?

1. Phoneme
2. Syntax
3. Morpheme
4. Sentence

ANSWER

Phoneme

Question 147 : In The Sentence, "They Bought A Blue House", The Underlined Part Is An Example Of _____.

1. Noun Phrase
2. Verb Phrase
3. Prepositional Phrase
4. Adverbial Phrase

ANSWER

Noun Phrase

Question 148 : What is the right order for a text classification model components 1. Text cleaning 2. Text annotation 3. Gradient descent 4. Model tuning 5. Text to predictors

1. 12345
2. 13425
3. 12534
4. 13452

ANSWER

C

Question 149 : _____ of a transducer is useful because it makes it easy to convert a FST-as-parser into an FST-as-generator.

1. parser
2. inversion
3. composition
4. generation

ANSWER

inversion

Question 150 : Which of the following includes major tasks of NLP?

1. Automatic Summarization
2. Discourse Analysis
3. Machine Translation
4. Automatic Summarization & Discourse Analysis & Machine Translation

ANSWER

Automatic Summarization & Discourse Analysis & Machine Translation



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Question 151 : A web page whose content doesn't vary from one request to another is called a:

1. Text Page
2. Dynamic Page
3. Active Server Page
4. Static Page

ANSWER

Question 152 : Which of the following is an advantage of normalizing a word?

1. It guarantees word to be inconsistent
2. It helps in reducing the randomness in the word
3. It increases the false negatives
4. It increases the dimensionality of the input

ANSWER

It helps in reducing the randomness in the word

Question 153 : Closed classes of POS are those with relatively fixed membership

1. Yes
2. No
3. Cannot Say
4. May be yes

ANSWER

Yes

Question 154 : Stop words are-



1. words that frequently found in a document
2. long sound words
3. words that are not important for text wrapping
4. Creating a set repeating words

ANSWER**words that frequently found in a document****Question 155 : Elements of Semantic analysis**

1. Hyponymy
2. Homonymy
3. Polysemy
4. Hyponymy, Homonymy, Polysemy

ANSWER**Hyponymy, Homonymy, Polysemy****Question 156 : Consider the following given sentences. Match the lexical relations between the first word (w1) to the second word (w2) i.e. w1 is a of w2. * Invention of the wheel is one of the landmarks in the history of mankind. * Companies are trying to make driverless car. * Golden daffodils are fluttering and dancing in the breeze. * Mumbai has unique flower park.**
 1. Holonym --> i. wheel-car
 2. Hyponym --> ii. car-wheel
 3. Meryonym --> iii. daffodils-flower
 4. Hypernym --> iv. flower- daffodils

1. 1-iii, 2-ii, 3-iv, 4-i
2. 1-ii, 2-iii, 3-i, 4-iv
3. 1-ii, 2-iii, 3-iv, 4-i
4. 1-i, 2-ii, 3-iii, 4-iv

ANSWER**b****Question 157 : What is Deixis**

1. A word that is quite hard to spell
2. Words that are context bound where meaning depends on who is being referred to, where something is happening or when something is happening.
3. An implied meaning that has to be inferred as a result of a conversational maxim being broken
4. A word that is quite easy to spell

ANSWER**Words that are context bound where meaning depends on who is being referred to, where something is happening or when something is happening.****Question 158 : 1. "The Tank Was Full Of Water.". "I Saw The Military Tank". Here Tank Is Used In Different Context, Which Type Of Ambiguity Is This?**

1. Semantic Ambiguity
2. Syntactic Ambiguity
3. Anaphoric Ambiguity



4. Syntactical Ambiguity

ANSWER**Semantic Ambiguity**

Question 159 : HMM model formula is combination of

1. N gram and Naive bayes
2. Logistic regression
3. SVM
4. Euclidean distance between words

ANSWER**SVM**

Question 160 : _____ technique looks at the meaning of the word.

1. Stemming
2. Lemmatization
3. Stop word identification
4. Morphological Analysis

ANSWER**b**

Question 161 : "I appoint you chairman of the committee" is which type of speech act?

1. Commissives
2. Directives
3. Declarations
4. Representatives

ANSWER**c**

Question 162 : Software designed for taking i/p data(text) and give structural representation of the input after checking the correct syntax or grammar is

1. Compiler
2. Parser
3. Painter
4. Easydraw

ANSWER**Parser**

Question 163 : Which of the following is a example of irregular noun form?

1. Fox
2. Dog
3. Mouse



4. Cat

ANSWER

Mouse

Question 164 : Function morphemes are also called _____

1. open-class morphemes
2. sub-class morphemes
3. super-class morphemes
4. closed-class morphemes

ANSWER

closed-class morphemes

Question 165 : Which statement is true

1. Rule based methods are language independent
2. Stochastic methods are language independent
3. It is highly complex task to resolve ambiguities especially at lower levels of NLP
4. Disambiguation task are is more challenging in Resourceful language as compared to Resourceless language

ANSWER

Stochastic methods are language independent

Question 166 : For HMM Model, with N hidden states, V observable states, what is the dimension of State Transition Probability Matrix

1. $N \times V$
2. $N \times 1$
3. $N \times N$
4. For HMM Model, with N hidden states, V observable states, what is the dimension of Emission Probability $\times N$

ANSWER

$N \times N$

Question 167 : When a referent is first mentioned in a discourse, we say that a representation for it is _____ into the model.

1. created
2. evoked
3. accessed
4. initiated

ANSWER

Question 168 : Which one of the following is not a pre-processing technique in NLP



1. Stemming and Lemmatization
2. Sentiment analysis
3. Removal of stop words
4. Converting to lowercase

ANSWER**Sentiment analysis**

Question 169 : Mini-Corpus given, I am Sam Sam I am I do not like green eggs and ham What will be bigram probability of $P(\text{am} \mid \text{I})$?

1. 0.67
2. 0.33
3. 0.5
4. 0.25

ANSWER**0.67**

Question 170 : In Sentiment analysis

1. List the topics that a document deals with
2. Assess the emotional content of a document
3. Compress a document as much as possible without losing meaning, producing another document
4. Given a question in natural language, provide an appropriate answer in natural language

ANSWER**Assess the emotional content of a document**

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Proathlix

Question 171 : Dog is hyponym of

1. Forest
2. Human
3. Animal
4. Automobile

ANSWER**Animal**

Question 172 : In NLP, The algorithm decreases the weight for commonly used words and increases the weight for words that are not used very much in a collection of documents



1. Term Frequency (TF)
2. Inverse Document Frequency (IDF)
3. Word2Vec
4. Latent Dirichlet Allocation (LDA)

ANSWER

Question 173 : Which application use to determine people in context?

1. Stemming
2. Lemmatization
3. Stop word removal
4. Named entity recognition

ANSWER**d**

Question 174 : The original Brown tagset uses two of the most commonly used tagsets are _____ & _____.

1. 50-tag Penn Treebank tagset, the medium-sized 70 tag C5 tagset
2. Medium 10-tag Penn Treebank tagset, the medium-sized 21 tag C5 tagset
3. Small 45-tag Penn Treebank tagset, the medium-sized 61 tag C5 tagset
4. Medium 87-tag Penn Treebank tagset, the 45 medium-sized 21 tag C5 tagset

ANSWER**Small 45-tag Penn Treebank tagset, the medium-sized 61 tag C5 tagset**

Question 175 : Tf-Idf Helps You To Establish?

1. Most Frequently Occurring Word In The Document
2. Most Important Word In The Document
3. Most Important Sentence In The Document
4. Most Frequently Occurring Sentence In The Document

ANSWER**Most Important Word In The Document**

Question 176 : Which of the following techniques is most appropriate to the process of word normalization

1. Stemming
2. Lemmatization
3. Stop word removal
4. Rooting

ANSWER**Stemming**

Question 177 : To evaluate the effectiveness of an IR system the output from a standard query executed against the test IR system is compared with the known output from a:

1. internet collection
2. reference book
3. separate IR system.
4. standard test collection

ANSWER**standard test collection**

Question 178 : Get (to take) - get (to become), is example of _____

1. Synonym
2. Hyponym
3. Homonym
4. Polysemy

ANSWER**Homonym**

Question 179 : Identify the artificial language

1. Java
2. Maori
3. Kazakh
4. Zulu

ANSWER**Java**

Question 180 :ambiguity refers to a situation where the context of a phrase gives it multiple interpretation

1. Pragmatic
2. Anaphoric
3. Discourse
4. Cataphoric

ANSWER**a**

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Question 181 : Morphological Segmentation

1. Does Discourse Analysis
2. Separate words into individual morphemes and identify the class of the morphemes
3. Is an extension of propositional logic
4. Is an extension of propositional limit

ANSWER**Separate words into individual morphemes and identify the class of the morphemes****Question 182 : The statement " eat a pizza" can be represented as**

1. NP → Verb VP
2. VP → Verb PP
3. VP → Verb NP
4. VP → Verb NP PP

ANSWER**VP → Verb NP****Question 183 : e.g. 'do', 'eat', 'go' are examples of which type of verb**

1. Regular verb
2. Irregular verb
3. Complex verb
4. Normal verb

ANSWER**Irregular verb****Question 184 : What Can Be Called As "The Knowledge Of What Has Been Said Earlier"**

1. Situational Context
2. Background Knowledge
3. Co-Textual Context
4. Operational Knowledge

ANSWER**Co-Textual Context****Question 185 : Which of the following is not true input for the NLP?**

1. Image
2. Text
3. Types input
4. Speech

ANSWER**Image**

Question 186 : Which Of The Following Is An Nlp Task That Involves Determining All Referring Expressions That Point To The Same Real-World Entity?

1. Coreference Resolution
2. Named Entity Recognition
3. Information Extraction
4. Stop Word

ANSWER**Coreference Resolution**

Question 187 : Clock = digital - analog - alarm

1. Polysemy
2. Meronymy
3. Hyponymy
4. Cline

ANSWER**Hyponymy**

Question 188 : How many bi-grams can be generated from given sentence:- "This is NLP book."?

1. 3
2. 2
3. 4
4. 1

ANSWER**a**

Question 189 : _____ extracts all the documents containing the key words

1. Information Extraction
2. Information Retrieval
3. Inflection
4. Inflation

ANSWER**Information Retrieval**

Question 190 : NLP Stands for.

1. Natural Language Protocol
2. Natural Lingual Protocol
3. Natural Lingual Processing
4. Natural Language Processing

ANSWER**Natural Language Processing**

Question 191 : Two words are there with different spelling but sound is same wring(1) and wring(2). First one means to twist something and second one means you wear in your finger. This is an example of

1. Homonymy
2. Hyponymy
3. Polysemy
4. Homophony

ANSWER**Homonymy**

Question 192 : Mango is hyponym of

1. Forest
2. Human
3. Fruits
4. Sweet

ANSWER**Fruits**

Question 193 : Which of the following component of NLP?

1. Pragmatic analysis
2. Entity extraction
3. Syntactic analysis
4. Pragmatic analysis & Entity extraction & Syntactic analysis

ANSWER**Pragmatic analysis & Entity extraction & Syntactic analysis**

Question 194 : Token and morpheme are always same.

1. Yes
2. NO
3. Probability based
4. Randomization based

ANSWER**-----**

Question 195 : Where the additional variables does are added in HMM?

1. a)Temporal model
2. b)Reality model
3. c)Probability model
4. d)In all three models, temporal, reality and probability model

ANSWER**a)Temporal model**

Question 196 : ___ : How we put words together, ___ : word meanings, ___ : speaker meaning

1. Syntax, semantics, pragmatics
2. Semantics, syntax, pragmatics
3. Semantics, syntax, pragmatics
4. Social; academic, semantic

ANSWER

Syntax, semantics, pragmatics

Question 197 : *Inferables, discontinuous sets and _____ are the three types of referents that complicate the reference resolution problem.*

1. Indefinite Noun phrases
2. demonstratives
3. one anaphora
4. generics

ANSWER

Question 198 : *Syntactic analysis or parsing may be defined as the process of _____ the _____ of symbols in Natural language conforming to the rules of formal grammar.*

1. Analyzing & Strings
2. Defining & Groups
3. Reducing & Arrays
4. Reviewing & Letters

ANSWER

Analyzing & Strings

Question 199 : *Corpus-Based Approaches Use Either Supervised Or Unsupervised Learning. Supervised Methods Require _____ Whereas Unsupervised Methods Eliminate The Need Of Tagged Data But Usually Perform Only _____.*

1. Tagged Data, Word Sense Discrimination
2. Untagged Data, Word Sense Discrimination
3. Untagged Data, Word Commonsense Discrimination
4. Untagged Data, Word Sense Indiscrimination

ANSWER

Tagged Data, Word Sense Discrimination

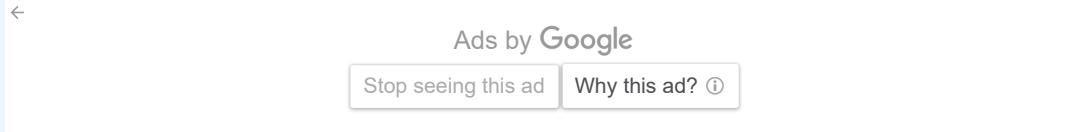
Question 200 : *In the English language inflectional morphemes can be...*

1. Prefixes, Suffixes and Infixes
2. Suffixes only
3. Infixes Only
4. Prefixes, Suffixes and Infixes



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Question 201 : In The English Language Inflectional Morphemes Can Be Which Of Following

1. Suffixes Only
2. Prefix Only
3. Prefix And Suffix
4. Any Word

ANSWER Suffixes Only

Question 202 : Rule-based POS taggers doesnt possess which of the following properties

1. The rules in Rule-based POS tagging are built auto
2. These taggers are knowledge-driven taggers
3. These taggers are consist of many hand written rules
4. The information is coded in the form of rules.

ANSWER The rules in Rule-based POS tagging are built auto

Question 203 : Syntactical analysis is done at _____ level

1. Sentence
2. Word
3. Lexicon
4. Symbol

ANSWER Sentence

Question 204 : It is not word embedding library

1. Word2vec
2. Glove
3. Fasttext
4. TextBlog

ANSWER TextBlog

Question 205 : In NLP, The process of removing words like "and", "is", "a", "an", "the" from a sentence is called as

1. Stemming
2. Lemmatization
3. Stop word
4. derivation

ANSWER Stop word

Question 206 : What Is Machine Translation?

1. Automatic Translation Of Text From One Language To Another
2. Manual Translation Of Text From One Language To Another
3. Information Retrieval
4. Data Mining

ANSWER**Automatic Translation Of Text From One Language To Another**

Question 207 : Which of the following is used to map sentence plan into sentence structure?

1. Text planning
2. Sentence planning
3. Text Realization
4. Text Summarization

ANSWER**Text Realization**

Question 208 : Inflectional morphology have the scope of _____

1. unlimited applicability
2. possibly literal
3. no communicability
4. more base allomorph

ANSWER**-----**

Question 209 : _____ concerns how the immediately preceding sentences affect the interpretation of the next sentence

1. Pragmatics
2. Syntax
3. Discourse
4. Semantics

ANSWER**Discourse**

Question 210 : Famous Stemming algorithm

1. Porter's Stemmer algorithm
2. Lovins Stemmer
3. Dawson Stemmer
4. Snowball Stemmer:

ANSWER**Porter's Stemmer algorithm**

Question 211 : "Buffalo buffalo Buffalo buffalo buffalo Buffalo buffalo" Identify the ambiguity

1. Lexical Ambiguity
2. Anaphoric Ambiguity
3. Syntax Ambiguity
4. Semantic Ambiguity

ANSWER**Lexical Ambiguity**

Question 212 : What is 'indefinite noun phrases' in reference phenomena?

1. Introduces entities that are new to the hearer into the discourse context
2. Introduces entities that are previous or old to the hearer into the discourse context
3. Entities that accept the irregular phrases
4. Entities that accept the regular phrases

ANSWER**Introduces entities that are new to the hearer into the discourse context**

Question 213 : _____ morphology is a type of word formation that creates new lexemes

1. Derivational morphology
2. Compound morphology
3. Inflectional morphology
4. Complex morphology

ANSWER

Derivational morphology

Question 214 : Which one of the following is morpheme of the word "unbelievable"?

1. un
2. unbe
3. evable
4. able

ANSWER

un

Question 215 : What is morphology?

1. The study of the rules governing the sounds that form words
2. The study of the rules governing sentence formation
3. The study of the rules governing word formation
4. The study of the rules governing sounds

ANSWER

The study of the rules governing word formation

Question 216 : Which is a finite state machine with two tapes: an input tape and an output tape

1. Finite State Transducers (FSTs)
2. Finite State Translators (FSTs)
3. Finite Automata
4. Deterministic Finite Automaton

ANSWER

Finite State Transducers (FSTs)

Question 217 : "I Bought A Printer Today. I Had Bought One Earlier In 004. This One Cost Me Rs. 6000 Whereas That One Cost Me Rs. 2000." In This Statement, "This" And "That" Are Known As Which Type Of Reference In The Discourse Context?

1. Definite Reference
2. Indefinite Reference
3. Pronominal Reference
4. Demonstrative Reference

ANSWER

Demonstrative Reference

Question 218 : A Bidirectional Feedback Loop Links Computer Modelling With:

1. Artificial Science
2. Heuristic Processing
3. Human Intelligence
4. Cognitive Science

ANSWER

Cognitive Science

Question 219 : Parts-of-Speech tagging determines _____. 1) part-of-speech for each word dynamically as per meaning of the sentence 2) part-of-speech for each word dynamically as per sentence structure 3) all part-of-speech for a specific word given as input

1. Only 1 is correct

- 2. 1 and 2 are correct
- 3. 1 and 3 are correct
- 4. All (1,2 and 3) are correct.

ANSWER All (1,2 and 3) are correct.

Question 220 : Consider the statement " The students went to class" . Assign POS tags for the statement.

- 1. DT NN VB P NN
- 2. DT NN NN P NN
- 3. NN NN VBG P NN
- 4. DT NN VB P DT

ANSWER a



Question 221 : Video summarization extracts the most important frames from the _____ content

- 1. Video
- 2. Image
- 3. Sound
- 4. Document

ANSWER Video

Question 222 : Porter Stemmer algorithm consists of how many steps

- 1. 4
- 2. 3
- 3. 5
- 4. 6

ANSWER 5

Question 223 : Which Of The Following Model Is Used For Speech Recognition?

- 1. Lemmatization Model
- 2. Hidden Markov Model
- 3. Finite State Transducers Model
- 4. Grammer Model

ANSWER Hidden Markov Model

Question 224 : A program that captures and indexes content from web pages is known as what insect:

- 1. Fly
- 2. Centipede
- 3. Mosquito
- 4. Spider

ANSWER -----



Question 225 : The branches of linguistics that focus on the meaning of a language

1. Semantics & phonology
2. Semantics & pragmatics
3. Morphology & pragmatics
4. Pragmatics & phonology

ANSWER **Semantics & pragmatics**

Question 226 : Parts-of-Speech tagging Does not determine _____

1. part-of-speech for each word dynamically as per meaning of the sentence
2. part-of-speech for each word dynamically as per sentence structure
3. all part-of-speech for a specific word given as input
4. all part-of-speech for a specific stem from input

ANSWER **all part-of-speech for a specific stem from input**

Question 227 : To whether "duck" is a verb or a noun can be solved by _____

1. Part-of-speech tagging.
2. Lexical analysis
3. Semantic analysis
4. Pragmatic analysis

ANSWER **Part-of-speech tagging.**

Question 228 : A frequently used statistical model in nlp

1. Stochastic
2. Hybrid
3. HMM
4. Lengustic

ANSWER **HMM**

Question 229 : _____ is a phrase whose head is a noun or a pronoun, optionally accompanied by a set of modifiers.

1. Pronoun Phrase
2. Adverb Phrase
3. Noun Phrase
4. Proposition Phrase

ANSWER **Noun Phrase**

Question 230 : Which Among The Following Is Important Component Of Natural Language Processig?

1. Representation
2. Description
3. Exposion
4. Narration

ANSWER **Representation**

Question 231 : essential to the study of language acquisition; important for understanding language in social contexts (varieties of English, effects on style)

1. semantics
2. location
3. Semantic roles



4. homonyms

ANSWER semantics

Question 232 : Divide the word "truthfulness" into base form + morphemes will give the output as

1. truthful-ness
2. truth-ful-ness
3. truth-fulness
4. truthfulness

ANSWER truth-ful-ness

Question 233 : _____ is mapping sentence plan into sentence structure.

1. Text planning
2. Sentence Planning
3. Text Realisation
4. Text Mapping

ANSWER Text Realisation

Question 234 : The reference to an entity that has been previously introduced into the sentence is called as _____ .

1. discourse
2. anaphora
3. co refer
4. referent

ANSWER anaphora

Question 235 : What is Global coherence?

1. It is how each sentence relates to the previous sentence.
2. It is how each sentence relates to the topic
3. It is how each sentence not relates to the topic
4. It is how each sentence not relates to the previous sentence.

ANSWER -----

Question 236 : Which of the following techniques is most appropriate to get root of word without considering word syntax

1. Stemming
2. Lemmatization
3. Stop word removal
4. Rooting

ANSWER Lemmatization

Question 237 : _____ are based on the analysis of large volumes of bilingual text

1. Rules Based Machine Translation
2. Statistical Machine Transaltion
3. Hybrid Machine Translation
4. Neural Machine Translation.

ANSWER Statistical Machine Transaltion

Question 238 : Syntax Analyser is also known as _____.

1. Hierarchical Analysis
2. Sequential Analysis
3. General Analysis
4. Hierarchical Analysis and Parsing

ANSWER**d**

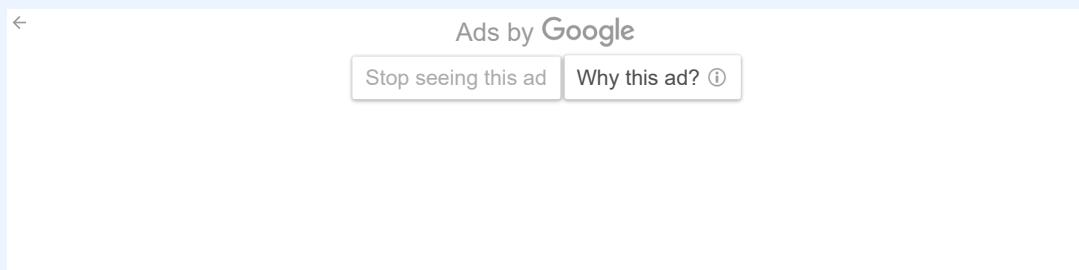
Question 239 : _____ Is the Second Stage in NLP?

1. Syntactic Analysis
2. Discourse Analysis
3. Semantic Analysis
4. Pragmatic Analysis

ANSWER**Syntactic Analysis**

Question 240 : Which one of the following is TRUE about CRF (Conditional Random Field) and HMM (Hidden Markov Model)?

1. CRF is generative model and HMM is discriminative model
2. Both CRF and HMM are generative model
3. CRF is discriminative model and HMM is generative model
4. Both CRF and HMM are discriminative model

ANSWER**CRF is discriminative model and HMM is generative model**

Question 241 : _____ has the same spelling and sound, but do not have related meanings

1. Homophones
2. Polysemy
3. Homonymy
4. Synonymy

ANSWER**Homonymy**

Question 242 : Using pronouns to refer back entities already introduced in the text is called as _____ problem .

1. Anaphora
2. Misspellings
3. Multiple Meaning
4. Lexical problem

ANSWER**a**

Question 243 : Discourse Analysis Involves The Study Of Relationship Between?

1. Programming Language And Contextual Foreground
2. Language And Dictionary Background
3. Dictionary And Knowledge
4. Language And Contextual Background

ANSWER**Language And Contextual Background**

Question 244 : What is anaphora?

1. repetition of a phrase at the end of sentences
2. repetition of a phrase at the beginning of sentences
3. repetition of a phrase in the middle of sentences
4. repetition of a phrase in a direct row

ANSWER **repetition of a phrase at the beginning of sentences**

Question 245 : Words with just one free morpheme are

1. Simple words
2. Complex words
3. Joint Words
4. Compound words

ANSWER **Simple words**

Question 246 : what a speaker (or writer) assumes is true or known by a listener (or reader)

1. presupposition
2. spatial deixis
3. supposition
4. Pragmatics

ANSWER **presupposition**

Question 247 : Which of the following are Anchors in regular expression?

1. * and +
2. ^ and \$
3. ? and {}
4. \d and \w

ANSWER **^ and \$**

Question 248 : Which of the following grammars generates strings with any number of 1's?

1. S --> 1A, A --> ε
2. S -->1S, S--> ε
3. S -->S1, S--> ε
4. S -->1SA, S--> ε

ANSWER **S -->1S, S--> ε**

Question 249 : Phrase structure rules are of the form A->BC which states that

1. A is directed towards BC
2. A implies B and C
3. Constituents A can be written as two constituents B and C
4. BC holds value of A

ANSWER **Constituents A can be written as two constituents B and C**

Question 250 : _____ used to point to things (it, this, these) and people (him, them, those idiots).

1. Spatial deixis
2. Pragmatics
3. Temporal deixis
4. Personal deixis



Natural Language Processing MCQ

 > MCQ Questions & Answer

Question 251 : *The linker*

1. Is similar to interpreter
2. Uses source code as its input
3. Is required to create a load module
4. None of the mentioned

ANSWER

I s required to create a load module

Question 252 : *Which Of The Following Architecture Can Be Trained Faster And Needs Less Amount Of Training Data*

1. Lstm Based Language Modelling
2. Transformer Architecture
3. Word Sense Disambiguation
4. N-Grams

ANSWER

Transformer Architecture

Question 253 : _____ Is used to decode the optimal tag sequence

1. Early algorithm
2. Viterbi algorithm
3. Lexk algorithm
4. A centering algorithm

ANSWER

Viterbi algorithm

Question 254 : *Solve the equation according to the sentence "I am planning to visit New York to attend International Film Fare Festival". A = (# of words with Noun as the part of speech tag) B = (# of words with Verb as the part of speech tag) C = (# of words with frequency count greater than one) What are the correct values of A, B, and C?*

1. 5, 5, 2002
2. 5, 5, 2002
3. 7, 5, 2001



4. 7, 4, 2001

ANSWER

d

Question 255 : What is transformation based learning?

1. A machine learning technique,in which rules are automatically induced from the data.
2. A machine learning technique,in which rules are manually induced from the data.
3. A machine learning technique,in which rules are transformed into another data.
4. A machine learning technique,in which rules are not used.

ANSWER

A machine learning technique,in which rules are automatically induced from the data.

Question 256 : Select the correct statements related to "Grammatical polarity"

1. The grammatical category associated with affirmative and negative is called polarity
2. The process of converting affirmative to negative is called negation
3. All of the mentioned
4. None of the mentioned

ANSWER

The grammatical category associated with affirmative and negative is called polarity

Question 257 : What Is The Name For Information Sent From Robot Sensors To Robot Controllers?

1. Temperature
2. Pressure
3. Feedback
4. Signal

ANSWER

Feedback

Question 258 : It is not example of text summaries

1. Headlines
2. Outlines
3. Digest
4. Corpus

ANSWER

Corpus

Question 259 : It is not step of text summarization.

1. Convert the paragraph into sentences
2. Text processing
3. Evaluate the weighted occurrence frequency of the words



4. Categorization

ANSWER

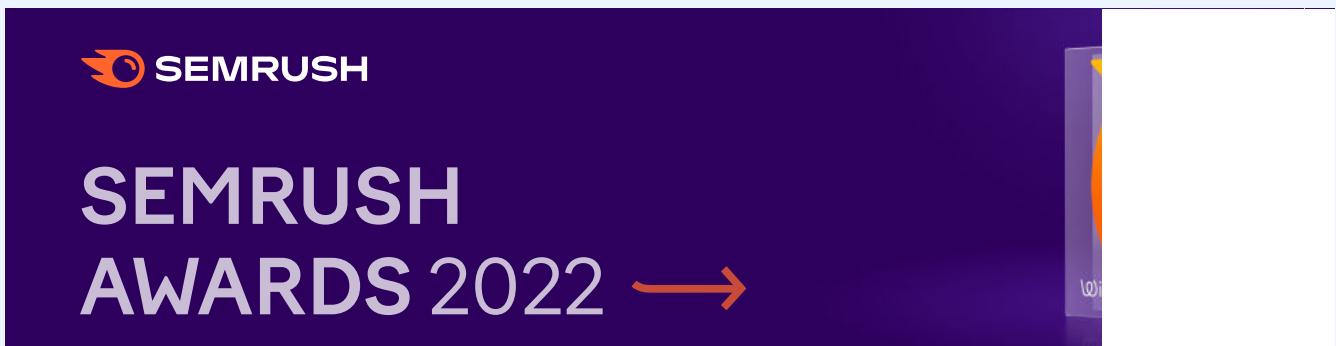
Categorization

Question 260 : What Is Full Form Of NLG?

1. Natural Language Generation
2. Natural Language Genes
3. Natural Language Growth
4. Natural Language Generator

ANSWER

Natural Language Generation



Question 261 : Which of the text parsing techniques can be used for noun phrase detection, verb phrase detection, subject detection, and object detection in NLP.

1. Part of speech tagging
2. Skip Gram and N-Gram extraction
3. Continuous Bag of Words
4. Dependency Parsing and Constituency Parsing

ANSWER

Part of speech tagging

Question 262 : The statement "Which team won the match?" can be represented as

1. N->Wh-NP VP
2. S->Wh-NP VP
3. VP->Wh-NP VP
4. S->Wh-NP NP

ANSWER

S->Wh-NP VP

Question 263 : Characterizing the meaning of words in terms of its relationship to other words such as synonymy, antonymy, and hyponymy is called _____.

1. Lexical relationship
2. Semantic analysis
3. Collocation



4. Gradable antonyms

ANSWER

b

Question 264 : Which is not the Classification levels in Sentiment Analysis

1. Document-level
2. Character-level
3. Aspect-level
4. Sentence-level

ANSWER

Character-level

Question 265 : Which is correct option

1. Pragmatics is one of the approach of discourse analysis
2. Discourse Analysis is Study of utterance meaning
3. A and B Both
4. None of them

ANSWER

Question 266 : "Sunder Pichal is the CEO of Google having headquarter in California" , How many named entities exist in above sentence

1. 4
2. 2
3. 3
4. 1

ANSWER

c

Question 267 : Selecting the appropriate speech act strategies and the linguistic forms for realizing it depends on

1. the social status and the culture of the interlocutors
2. their age
3. their social distance
4. All of these

ANSWER

All of these

Question 268 : In this sentence: "...no benefits justify the risk of nuclear weapons...I will explain why nuclear technology has a future on our planet despite its dangers." Which type of lexical cohesion can you find?



1. Hyponymy
2. Synonymy
3. Antonymy
4. Hyponymy

ANSWER**Synonymy**

Question 269 : *The study of which words occur together, and their frequency of co-occurrence is called as _____.*

1. Connotation
2. Collocation
3. Implication
4. Location

ANSWER**b**

Question 270 : *In CFG, terminals mainly correspond to while pre-terminals mainly correspond to*

1. Characters in the language, POS tags
2. Words in the language, POS categories
3. Words in the language, word relations
4. Lexemes, POS Tags

ANSWER**b**

Question 271 : *Which is example of homophony?*

1. be-bee
2. be-bo
3. be-by
4. be-bio

ANSWER**a**

Question 272 : *What Is The Major Difference Between Crf (Conditional Random Field) And Hmm (Hidden Markov Model)?*

1. Crf Is Generative Whereas Hmm Is Discriminative Model
2. Crf Is Discriminative Whereas Hmm Is Generative Model
3. Crf And Hmm Are Generative Model
4. Crf And Hmm Are Discriminative Model

ANSWER**Crf Is Discriminative Whereas Hmm Is Generative Model**

Question 273 : *The metric to measure "the intensity of emotion provoked by the stimulus" in emotion modeling is:*

1. Severity
2. Valence
3. Arousal
4. Dominance

ANSWER

Arousal

Question 274 : *A verb phrase cannot have a*

1. a verb followed by an NP {VP → Verb NP}
2. a verb followed by a PP {VP → Verb PP}
3. a verb followed by two NPs {VP → Verb NP NP}
4. a verb followed by two APs {VP → Verb AP AP}

ANSWER

Question 275 : *The words Blood bank, Sperm bank and Egg bank are the example of,*

1. Polysemy
2. Hypernym
3. Antonym
4. Metonymy

ANSWER

Polysemy

Question 276 : *"I Saw Two Laser Printers In A Shop. They Were The Fastest Printers Available". In This Statement, "They" Is Known As Which Type Of Reference In The Discourse Context?*

1. Generic Refernce
2. Indefinite Reference
3. Quantifier/Ordinal Refenece
4. Demonstrative Reference

ANSWER

Generic Refernce

Question 277 : *Given A Sound Clip Of A Person Or People Speaking, Determine The Textual Representation Of The Speech.*

1. Text-To-Speech
2. Speech-To-Text
3. Text
4. Speech

ANSWER

Speech-To-Text



Question 278 : Which Approach Does Direct Translation Use?

1. No Approach
2. Word By Word Translation
3. Sentential Translation
4. Paragraph By Paragraph Translation

ANSWER**Word By Word Translation**

Question 279 : Which algorithm is used for solving temporal probabilistic reasoning?

1. Hill-climbing search
2. Hidden markov model
3. Depth-first search
4. Breadth-first search

ANSWER**Hidden markov model**

Question 280 : The performance of an utterance and its meaning

1. positive face
2. perlocutionary act
3. locutionary act
4. illocutionary act

ANSWER**locutionary act**

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Question 281 : In text summarisation an _____ uses different words to describe the contents of the document.

1. Abstract
2. Extract
3. Information
4. Prose

ANSWER**Abstract**

Question 282 : "I Met This Girl Earlier In A Conference." In This Statement, "This" Is Known As Which Type Of Reference In The Discourse Context?

1. Definite Reference
2. Indefinite / Non-Anaphoric Reference
3. Pronominal Reference
4. Demonstrative Reference

ANSWER**Indefinite / Non-Anaphoric Reference**

Question 283 : "John and Mary love their Acuras. They drive them all the time". It is example of _____

1. Indefinite noun phrase
2. Definite noun phrase
3. Demonstrative
4. Discontinuous sets

ANSWER**Discontinuous sets**

Question 284 : In linguistic morphology, _____ is the process for reducing inflected words to their root form.

1. Rooting
2. Stemming
3. Text-Proofing
4. Proofing

ANSWER**Stemming**

Question 285 : Which one of the following statement is false?

1. The CFG can be converted to Chomsky normal form
2. The CFG can be converted to Greibach normal form
3. CFG is accepted by pushdown automata
4. CFG is accepted by Chomsky normal form

ANSWER**CFG is accepted by Chomsky normal form**

Question 286 : In information retrieval, extremely common words which would appear to be of little value in helping select documents that are excluded from the index vocabulary are called:

1. Stop Words
2. Tokens
3. Lemmatized Words
4. Stemmed Terms

ANSWER**Stop Words**

Question 287 : *The process of understanding the meaning and interpretation of words, signs and sentence structure is called as _____.*

1. Tokenization
2. Lexical Analysis
3. Semantic Analysis
4. Sentiment Analysis

ANSWER**c**

Question 288 : *Which Of The Text Parsing Techniques Can Be Used For Noun Phrase Detection, Verb Phrase Detection, Subject Detection, And Object Detection In Nlp.*

1. Part Of Speech Tagging
2. Skip Gram And N-Gram Extraction
3. Continuous Bag Of Words
4. Dependency Parsing And Constituency Parsing

ANSWER**Dependency Parsing And Constituency Parsing**

Question 289 : *What are the input and output of an NLP system?*

1. Speech and noise
2. Speech and Written Text
3. Noise and Written Text
4. Noise and value

ANSWER**Speech and Written Text**

Question 290 : *" I promise to come" is which type of speech act?*

1. Commissives
2. directives
3. Declarations
4. Representatives

ANSWER**a**

Question 291 : *Each connection in HMM represents a _____ over possible options; given our _____, this results in a large search space of the _____ of all words given the tag.*

1. Value, variables, associativity
2. Distribution, tags, probability
3. Variable, Labels, Transitivity
4. Object, groups, associativity



ANSWER**Distribution, tags, probability**

Question 292 : Anaphoric relations hold between _____ phrases that refer to the same person or thing.

1. Verb
2. Noun
3. Preposition
4. Adjective

ANSWER**Noun**

Question 293 : Speech Acts is defined as

1. Using paralinguistic features when speaking
2. The awareness of others' needs to be approved of and liked
3. Communicative acts that carry meaning beyond the words and phrases used within them, for example, apologies and promises
4. The reference of others is important

ANSWER

Communicative acts that carry meaning beyond the words and phrases used within them, for example, apologies and promises

Question 294 : _____ transfers linear sequences of words into structure.

1. Semantic Analysis
2. Tokens
3. Lexical analysis
4. Discourse

ANSWER**Semantic Analysis**

Question 295 : Parts-of-Speech tagging determines _____

1. part-of-speech for each word dynamically as per meaning of the sentence
2. part-of-speech for each word dynamically as per sentence structure
3. all part-of-speech for a specific word given as input
4. all of the mentioned

ANSWER**all of the mentioned**

Question 296 : "Sita loves her mother and Gita does too" contain which type of ambiguity?

1. Syntactic
2. Semantic
3. Lexical



4. Anaphoric**ANSWER****b****Question 297 : In an HMM, observation likelihoods measure**

1. The likelihood of a POS tag given a word
2. The likelihood of a POS tag given the preceding tag
3. The likelihood of a word given a POS tag
4. The likelihood of a POS tag given two preceding tags

ANSWER**The likelihood of a word given a POS tag****Question 298 : In Sentiment analysis**

1. List the topics that a document deals with
2. Assess the emotional content of a document
3. Compress a document as much as possible without losing meaning, producing another document
4. Given a question in natural language, provide an appropriate answer in natural language

ANSWER**Assess the emotional content of a document****Question 299 : _____ is the problem of selecting a sense for a word from a set of predefined possibilities.**

1. Shallow Semantic Analysis
2. Discourse
3. Word Sense Disambiguation
4. Pragmatic

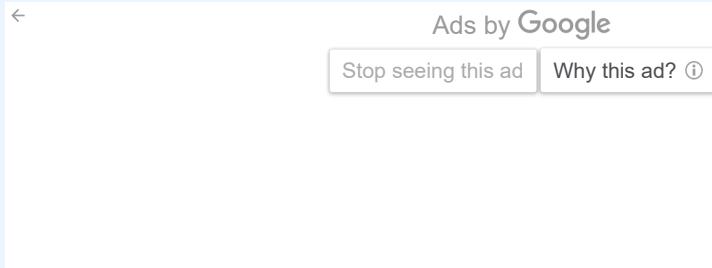
ANSWER**Word Sense Disambiguation****Question 300 : Text summarization finds the most informative sentences in a ____;**

1. Video
2. Image
3. Sound
4. Document

ANSWER**Document**

Natural Language Processing MCQ

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Question 301 : Look At That Dog With One Eye – Am I To Close An Eye And Look At The Dog Or Does The Dog Have One Eye? Which Type Of Ambiguity Do You Experience In This Sentence.

1. Semantic Ambiguity
2. Syntactic Ambiguity
3. Pragmatic Ambiguity
4. Anaphoric Ambiguity

ANSWER Syntactic Ambiguity

Question 302 : Which is the process whereby meaning representations are composed and assigned to linguistic inputs

1. Semantic analysis
2. Lexical analysis
3. Syntax Analysis
4. Morphology Analysis

ANSWER Semantic analysis

Question 303 : Which of the following is not correct with respect to Word Sense Disambiguation (WSD)

1. It offers sense definitions of words
2. Identifies synsets of synonyms
3. Defines a number of semantic relations
4. It's not free

ANSWER Identifies synsets of synonyms

Question 304 : HMMs are "a statistical Markov model in which the system being modeled is assumed to be a _____ process with _____ states".

1. a)Convolution, completed
2. b)Markov, Unobservable
3. c)Analyzing, Categorized
4. d)Complete, Observed

ANSWER b)Markov, Unobservable

Question 305 : Identifying intentions in dialogue is _____

1. Morphology
2. Semantics



- 3. Pragmatics
- 4. Discourse

ANSWER

Question 306 : Sentence Realization

- 1. Syntactic Analysis
- 2. Discourse Analysis
- 3. Semantic Analysis
- 4. Pragmatic Analysis

ANSWER**Syntactic Analysis**

Question 307 : In the context of POS tagging, the objective would be to build an HMM to model $P(\text{___} | \text{___})$ and Compute the label probabilities given observations using _____ Rule.

- 1. Value, Label, Markov
- 2. Word, Tag, Bayes
- 3. Attribute, Variable, Bayes
- 4. Input, Label, Markov

ANSWER**Word, Tag, Bayes**

Question 308 : What are the most common and the rarest term of the corpus?

- 1. t5, t1
- 2. t5, t6
- 3. t4, t6
- 4. t3, t5

ANSWER**-----**

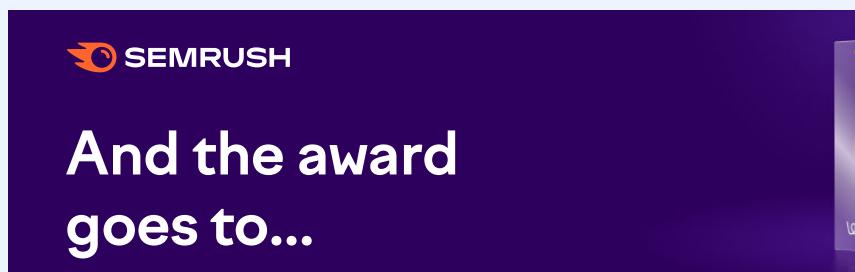
Question 309 : RSG stands for

- 1. Rich Sentence Graph
- 2. Real Summary Graph
- 3. Rich Syntactic Graph
- 4. Rich Semantic Graph

ANSWER**Rich Semantic Graph**

Question 310 : _____ is a word with the most specific meaning

- 1. hyponym
- 2. synonymy
- 3. hypernym
- 4. homonyms

ANSWER**-----**

Question 311 : Modern Nlp Algorithms Are Based On

1. Neural Language Processing
2. Machine Learning
3. Artificial Intelligence
4. Machine Translation

ANSWER Machine Learning

Question 312 : Visiting relatives can be boring

1. The text is unambiguous
2. The text is ambiguous
3. The text clear and precise
4. The text is indisputable

ANSWER The text is ambiguous

Question 313 : What is inference?

1. The process of deriving implied meanings
2. The process of signalling attitude
3. The concept of how all communication relies on presenting a 'face'
4. The process of syntax checking

ANSWER The process of deriving implied meanings

Question 314 : Conceal - cover is a example of _____

1. Antonym
2. Synonym
3. Polysemy
4. Homonym

ANSWER Synonym

Question 315 : What is a meaning of Morphology?

1. The study of word format
2. The study of sentence format
3. The study of syntax of sentence
4. The study of semantics of sentence.

ANSWER The study of word format

Question 316 : How many ambiguities exist in the following sentence. " I know little Italian".

1. 1
2. 3
3. 2
4. 0

ANSWER a

Question 317 : "The System Recognizes If Emails Belong In One Of Three Categories (Primary, Social, Or Promotions) Based On Their Contents." What This Application Is Called?

1. Smart Assistant
2. Email Filters
3. Predictive Text



4. Language Translation

ANSWER**Email Filters**

Question 318 : What is output of Morphological analysis for the input word 'mice'?

1. mice N SG
2. mouse N SG
3. mouse N PL
4. mice N PL

ANSWER**c**

Question 319 : Which of the following is the fastest logic ?

1. TTL
2. ECL
3. CMOS
4. LSI

ANSWER**ECL**

Question 320 : The word "Putting" is handle and clean up by which stemming rule? "Putting ® Put"

1. {(X) -ing ® €} and {--CC® C}
2. {(X) -eed ® -ee} and {-at ® -ate}
3. {(X) -ing ® -ing}
4. {(X) -C1VC2 ® C1VC2e}

ANSWER**{(X) -ing ® €} and {--CC® C}**

Question 321 : Google News Aggregator is example of _____.

1. Machine Translation Application
2. Text Summarization Application
3. NER Application
4. Information Retrieval Application

ANSWER**b**

Question 322 : Which python library use to implement natural language processing?

1. NLTK
2. Scrapy
3. Matplotlib
4. Pydot

ANSWER**NLTK**

Question 323 : Which of the following measurements are used to evaluate the quality of entity recognition?

1. Recision
2. Recall
3. Measure
4. R-measure

ANSWER**Recall**

Question 324 : Results from a search engine that are based upon the retrieval of items using a method of term weighting such as cosine similarity is a form of:

1. Sponsored Search
2. Algorithmic Search
3. Informational Search
4. Navigational Search

ANSWER

Question 325 : Words automatic, automation, are converted to automat. This is the output of which process.

1. FSA
2. Lemmatization
3. Stemming
4. Parser

ANSWER

Stemming

Question 326 : "She eats fish with the fork". Identify ambiguity in the given sentence

1. Anaphoric Ambiguity
2. Lexical Ambiguity
3. Syntax Ambiguity
4. Semantic Ambiguity

ANSWER

Syntax Ambiguity

Question 327 : The Knowledge Sources Used By Which Algorithms Include Context Of Word, Sense Frequency, Selectional Preferences, Collocation And Domain?

1. Fuzzy Logic
2. Word Sense Disambiguation
3. Shallow Semantic Analysis
4. Artificial Intelligence

ANSWER

Word Sense Disambiguation

Question 328 : In an HMM, observation likelihoods measure

1. The likelihood of a POS tag given a word
2. The likelihood of a POS tag given the preceding tag
3. The likelihood of a word given a POS tag
4. The likelihood of a POS tag given two preceding tags

ANSWER

The likelihood of a word given a POS tag

Question 329 : John has a cat and Mary has a rabbit. They play with them all the time. Identify the reference resolution problem in the above statement

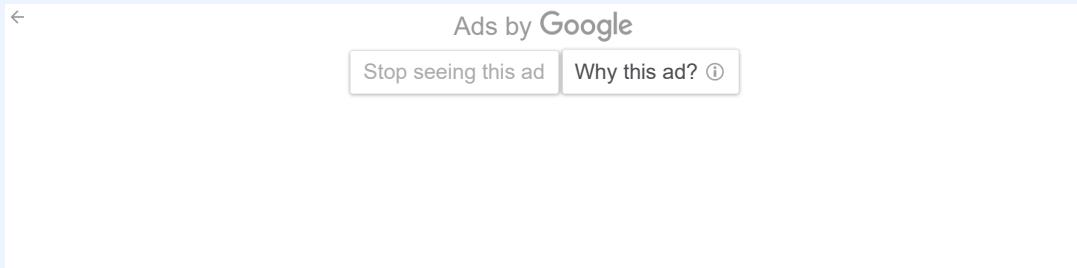
1. Generics
2. Discontinuous sets
3. Inferrables
4. one anaohora

ANSWER

Question 330 : ___ concerns how sentences are used in different situations and how use affects the interpretation of the sentence

1. Syntax

2. Phonology
3. Pragmatics
4. Discourse

ANSWER**Pragmatics****Question 331 : Noun resolutionx**

1. $N \times 1$
2. $N \times N$
3. $1 \times N$
4. $N \times V$

ANSWER **$N \times V$** **Question 332 : Which of the following entities are identified by NER?**

1. Proper Nouns
2. Noun Phrase
3. Verb Phrase
4. Adverb

ANSWER**a****Question 333 : In which of the following stages of NLP, does one draws parse tree?**

1. Morphological
2. Syntactic
3. Semantic
4. Pragmatic

ANSWER**b****Question 334 : For Rule based tagger, to design rules**

1. Language experts needed
2. Language experts not required
3. Good programmer is required
4. Not language expert nor programmer

ANSWER**Language experts needed****Question 335 : Parts-of-Speech tagging determines _____**

1. part-of-speech for each symbol only generated dynamically as per meaning of the sentence
2. part-of-speech for each word dynamically as per sentence structure
3. all stem for a specific word given as input
4. all lema for a specific word given as input

ANSWER**part-of-speech for each word dynamically as per sentence structure**

Question 336 : Which is an automatic way of determining the scope of negation and inverting the polarities of opinionated words that are actually affected by a negation.

1. Opinion Handling
2. Negation handling
3. Discourse Handling
4. Scope Handling

ANSWER Negation handling

Question 337 : Which of the following is NOT an example of a typical discourse structure?

1. narratee
2. list
3. narrative
4. question-answer

ANSWER narratee

Question 338 : Which among the following is one of the stages in NLP pipeline?

1. Sentiment Analysis
2. Tokenization
3. Spell Checking
4. Syntax Analysis

ANSWER d

Question 339 : Which Application Of Nlp Refers To Automatic Production Of Speech (Utterance Of Natural Language Of Sentences)?

1. Speech Recognition
2. Machine Translation
3. Speech Synthesis
4. Information Retrieval

ANSWER Speech Synthesis

Question 340 : Which of the options is not a NLP application?

1. Sentiment analysis
2. Translation from English to French
3. Translation from C++ to Java
4. Named entity recognition

ANSWER Translation from C++ to Java

Question 341 : Format of words is given in options, select incorrect option.

1. Books ® Book + Noun + Plural
2. 0
3. Cats ® Cat + Verb
4. Went®go + Verb + Past

ANSWER Cats ® Cat + Verb

Question 342 : Car is hyponym of

1. Scooter
2. Cycle
3. Rickshaw



4. Automobile

ANSWER**Automobile**

Question 343 : _____ POS tagger uses probabilities.

1. Rule based
2. Stochastic
3. Procedure based
4. Object based

ANSWER**Stochastic**

Question 344 : Mujhe khaanna khaanna hai. What will be tag of third word in the given sentence.

1. Noun
2. Verb
3. Adverb
4. Auxiliary verb

ANSWER**Verb**

Question 345 : Which NLP application involves conversion of Hindi text into SQL queries

1. Natural Language Conversion to Database
2. Information retrieval
3. Natural Language Extraction from Database
4. Natural Language Interface to Database

ANSWER**Natural Language Conversion to Database**

Question 346 : Famous Tag set for English

1. Penn Treebank
2. OXFORD ENGLISH CORPUS PART-OF-SPEECH TAGSET
3. ENGLISH CLAWS PART-OF-SPEECH TAGSET
4. NLTK

ANSWER**-----**

Question 347 : "Zuha Forgets Her Pendrive In Lab." In This Statement, "Her" Is Known As Which Type Of Reference In The Discourse Context?

1. Definite Reference
2. Indefinite Reference
3. Pronominal Reference
4. Demonstrative Reference

ANSWER**Pronominal Reference**

Question 348 : In CFG, Each rule has a _____ side

1. Right hand only
2. Left hand only
3. Right hand and left hand
4. Sub hand

ANSWER**Right hand and left hand**

Question 349 : Pragmatics cannot be defined as

1. It is the study of speaker meaning
2. It is the study of contextual meaning
3. It is the study of how more gets communicated than is said
4. It is the study of sound

ANSWER**Question 350 : Ir System : Subset Of Documents :: ?: Subset Of Information Within Document**

1. Speech Recognition
2. Natural Language Interfaces To Db
3. Information Extraction
4. Information Retrieval

ANSWER**Information Extraction**

◀ 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 ▶



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Question 351 : Which one of the following models can not perform text classification

1. Naive Bayes
2. SVM
3. K-means
4. OLAP

ANSWER

OLAP

Question 352 : CFG captures -----.

1. Constituency and ordering
2. word meaning
3. relation between words
4. sentence meaning

ANSWER

a

Question 353 : Number of states require to accept string ends with 10.

1. 3
2. 2
3. 1
4. can't be represented.

ANSWER

3

Question 354 : Is Inflectional morphology performed in google translation?



1. Performed
2. Not performed
3. Partly performed
4. Depends on situation

ANSWER

Question 355 : _____ is a group of words that may behave as a single unit or phrase.

1. Constituency
2. Grammatical Relation
3. Sub-categorization
4. Dependencies

ANSWER**a**

Question 356 : Summarization which creates new phrases paraphrasing the original source.

1. Extraction-based
2. Abstraction-based
3. Auto-correct
4. None

ANSWER**Abstraction-based**

Question 357 : _____ has the same spelling and sound, but do not have related meanings

1. Homophones
2. Polysemy
3. Homonymy
4. Synonymy

ANSWER**Homonymy**

Question 358 : Which of the following belongs to the open class group?

1. Verb
2. Prepositions
3. Determinants
4. Conjunctions

ANSWER**a**

Question 359 : An anaphoric reference...

1. Helps the text make sense



2. Links forward to another part of the text
3. Refers back to another part of the text
4. Give us information about time and place

ANSWER**Refers back to another part of the text**

Question 360 : *Polysemy is defined as the coexistence of multiple meanings for a word or phrase in a text object. Which of the following models is likely the best choice to correct this problem?*

1. Random Forest Classifier
2. Convolutional Neural Networks
3. Gradient Boosting
4. Keyword Hashing

ANSWER**Convolutional Neural Networks**

Question 361 : *In syntax analysis the input is provided from*

1. Morphology Analysis
2. Phonology Analysis
3. Semantics Analysis
4. Pragmatic Analysis

ANSWER**Morphology Analysis**

Question 362 : *Which Is The Type Of Morphology That Changes The Word Category And Affects The Meaning*

1. Inflectional
2. Derivational
3. Cliticization
4. Rational

ANSWER**Derivational**

Question 363 : *The area of AI that investigates methods of facilitating communication between people and computers is:*

1. natural language processing
2. symbolic processing
3. decision support
4. robotics

ANSWER**natural language processing**

Question 364 : instead of thinking of words as containers of meaning, we look at the "roles" they fulfill within the situation described by a sentence

1. semantic roles (thematic roles)
2. semantic features
3. Semantic roles
4. semantically; syntactically

ANSWER

semantic roles (thematic roles)

Question 365 : Stochastic tagger also known as.....

1. HM tagger
2. RMM tagger
3. HMM tagger
4. Super tagger

ANSWER

C

Question 366 : Morphotactics is a model of

1. Spelling modifications that may occur during affixation
2. All affixes in the English language
3. How and which morphemes can be affixed to a stem
4. Ngrams of affixes and stems

ANSWER

How and which morphemes can be affixed to a stem

Question 367 : Which of the following is a single valued attribute

1. Register_number
2. Address
3. SUBJECT_TAKEN
4. Reference

ANSWER

Register_number

Question 368 : Which class words are limited in number

1. Open class
2. Closed class
3. Tree bank
4. Dictionary

ANSWER

Closed class



Question 369 : Which best describes the English language?

1. English has complex morphology and less rigid syntax.
2. English has less complex morphology but more rigid syntax.
3. English has complex morphology and rigid syntax.
4. English has complex morphology

ANSWER

English has less complex morphology but more rigid syntax.

Question 370 : Suppose a language model assigns the following conditional n-gram probabilities to a 3-word test set: 1/4, 1/2, 1/4. Then $P(\text{test-set}) = 1/4 * 1/2 * 1/4 = 0.03125$. What is the perplexity?

1. 0.25
2. 0.03125
3. 32
4. 3.175

ANSWER

3.175



Question 371 : Named Entity Recognition means:

1. Finding spans of text that constitute proper names and then classifying the type of the entity.
2. Mapping between name and entity.
3. Classification of text into subject and predicates.
4. Searching text for proper nouns.

ANSWER

Finding spans of text that constitute proper names and then classifying the type of the entity.

Question 372 : In An Hmm, Observation Likelihoods Measure

1. The Likelihood Of A Pos Tag Given A Word
2. The Likelihood Of A Pos Tag Given The Preceding Tag
3. The Likelihood Of A Word Given A Pos Tag
4. The Likelihood Of A Pos Tag Given Two Preceding Tags

ANSWER

The Likelihood Of A Word Given A Pos Tag



Question 373 : Conjunctions are used to _____ two phrases, clauses, or sentences

1. Separate
2. Identify
3. Distinguish
4. Join

ANSWER**Join**

Question 374 : "I want an early upgrade" What is the type of word class for word "want" ?

1. Verb
2. Determinant
3. Personal Pronoun
4. Adjective

ANSWER**a**

Question 375 : The basic operation of a web browser is to pass a request to the web server. This request is an address for a web page and is known as the:

1. UAL: Universal Address Locator
2. HTML: Hypertext Markup Language
3. URL: Universal Resource Locator
4. HTTP: Hypertext transfer protocol

ANSWER**HTTP: Hypertext transfer protocol**

Question 376 : FST cannot work as _____

1. recognizer
2. generator
3. translator
4. lexicon

ANSWER**lexicon**

Question 377 : Choose from the following where NLP is not being useful.

1. Automatic Text Summarization
2. Automatic Question-Answering Systems
3. Partially Observable systems
4. Information Retrieval

ANSWER**Partially Observable systems**

Question 378 : Which One Of The Following Is Not A Pre-Processing Technique In Nlp



1. Converting To Lowercase
2. Removing Punctuations
3. Removal Of Stop Words
4. Sentiment Analysis

ANSWER**Sentiment Analysis**

Question 379 : *N-Gram language models cannot be used for -----.*

1. Spelling Correction
2. Predicting the completion of a sentence
3. Removing semantic ambiguity
4. Speech Recognition

ANSWER**C**

Question 380 : *e.g. 'walk', 'talk', 'print' are examples of which type of verb*

1. Regular verb
2. Irregular verb
3. Complex verb
4. Normal verb

ANSWER**Regular verb**

Question 381 : *In POS, using discriminative approach, direction of flow is from class to words*

1. Yes
2. No
3. Depends on sentence
4. Randomly

ANSWER**No**

Question 382 : *One of the main challenges of NLP Is _____.*

1. Handling Ambiguity of Sentences
2. Handling Tokenization
3. Handling POS-Tagging
4. All of the mentioned

ANSWER**Handling Ambiguity of Sentences**

Question 383 : *Word-Right , Word-Write are*

1. Homophones



2. Homograph
3. Synonyms
4. Antonyms

ANSWER**Homophones**

Question 384 : Given A Sentence $S = "W1 W2 W3 \dots Wn"$, To Compute The Likelihood Of S Using A Bigram Model. How Would You Compute The Likelihood Of S ?

1. Calculate The Conditional Probability Of Each Word In The Sentence Given The Preceding Word And Add The Resulting Numbers
2. Calculate The Conditional Probability Of Each Word In The Sentence Given The Preceding Word And Multiply The Resulting Numbers
3. Calculate The Conditional Probability Of Each Word Given All Preceding Words In A Sentence And Add The Resulting Numbers
4. Calculate The Conditional Probability Of Each Word Given All Preceding Words In A Sentence And Multiply The Resulting Numbers

ANSWER**Calculate The Conditional Probability Of Each Word In The Sentence Given The Preceding Word And Multiply The Resulting Numbers**

Question 385 : Where does the Hidden Markov Model is used?

1. Speech recognition
2. Understanding of real world
3. Both Speech recognition & Understanding of real world
4. Understanding of real world images

ANSWER**Speech recognition**

Question 386 : "I went to the school, and they told me come on next day". What type of ambiguity present in the given sentence?

1. Syntactic ambiguity
2. Anaphoric ambiguity
3. Semantic ambiguity
4. Lexical ambiguity

ANSWER**Anaphoric ambiguity**

Question 387 : Which Application Of Nlp Allows Querying A Structured Database Using Natural Language Sentences?

1. Speech Recognition
2. Natural Language Interfaces To Db
3. Information Extraction



4. Information Retrieval

ANSWER**Natural Language Interfaces To Db**

Question 388 : In the English language derivational morphemes can be...

1. Prefixes ,Suffixes,Infixes
2. Prefixes ,Suffixes
3. Infixes only
4. Suffixes only

ANSWER**Prefixes ,Suffixes**

Question 389 : Which of the following pair represents Antonymy lexical relation?

1. (fat, thin)
2. (crow,bird)
3. (window, door)
4. (head,nose)

ANSWER**a**

Question 390 : Which of the following NLP tasks use sequential labeling technique?

1. POS tagging
2. Named entity recognition
3. Speech recognition
4. POS tagging & Named Entity Recognition & Speech recognition

ANSWER**POS tagging & Named Entity Recognition & Speech recognition**

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Question 391 : How many types of Deixis exists?

1. 3
2. 5
3. 4
4. 2

ANSWER**b**

Question 392 : Which of the following computer language is used for artificial intelligence?

1. FORTRAN
2. PROLOG
3. C
4. COBOL

ANSWER

PROLOG

Question 393 : What is Machine Translation?

1. Converts one human language to another
2. Converts human language to machine language
3. Converts any human language to English
4. Converts Machine language to human language

ANSWER

Converts one human language to another

Question 394 : Which is the true in NLP study?

1. Machine learning is a subdivision of deep learning.
2. Shallow learning is the simplest form of deep learning.
3. Deep learning is a subdivision of machine learning.
4. NLP is the acronym for Neural Language Processing.

ANSWER

Deep learning is a subdivision of machine learning.

Question 395 : How many lexemes are there in following list.man,men,girls,girl,mouse

1. 4
2. 5
3. 3
4. 2

ANSWER

3

Question 396 : Given A Sequence Of Observations And A Hmm Model, Which Of The Following Fundamental Problems Of Hmm Finds The Most Likely Sequence Of States That Produced The Observations In An Efficient Way?

1. Evaluation Problem
2. Likelihood Estimation Problem
3. Decoding Problem
4. Learning Problem

ANSWER



Decoding Problem

Question 397 : Which is not the main challenges in machine translation?

1. Word Translation
2. Phrase Translation
3. Syntactic Translation
4. Special Characters Translation

ANSWER

Question 398 : Solve the equation according to the sentence "I am planning to visit New Delhi to attend Analytics Vidhya Delhi Hackathon". A = (# of words with Noun as the part of speech tag) B = (# of words with Verb as the part of speech tag) C = (# of words with frequency count greater than one) What are the correct values of A, B, and C?

1. 5,5,2
2. 5,5,0
3. 7,5,1
4. 7,4,2

ANSWER

7,4,2

Question 399 : Which of the following will be POS Tagger output when the input sentence is "And now for something completely different"?

1. [('And', 'CC'), ('now', 'RB'), ('for', 'IN'), ('something', 'RB'), ('completely', 'RB'), ('different', 'JJ')]
2. [('And', 'CC'), ('now', 'RB'), ('for', 'IN'), ('something', 'NN'), ('completely', 'JJ'), ('different', 'RB')]
3. [('And', 'CC'), ('now', 'RB'), ('for', 'IN'), ('something', 'NN'), ('completely', 'RB'), ('different', 'JJ')]
4. "[('And', 'CC'), ('now', 'RB'), ('for', 'CC'), ('something', 'NN'), ('completely', 'RB'), ('different', 'JJ')]"

ANSWER

C

Question 400 : "Make Computers As They Can Solve Problems Like Humans And Think Like Humans " Is

1. Challege Of Nlp
2. Disadvantage Of Nlp
3. Stage Of Nlp
4. Knowledge Of Nlp

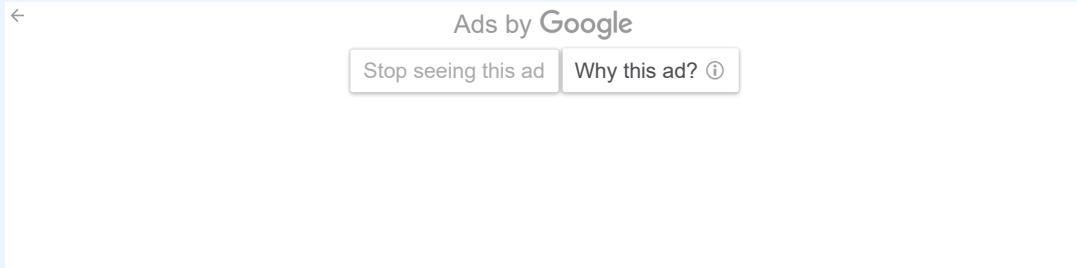
ANSWER

Challege Of Nlp



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Question 401 : when two or more different (written) forms have the same pronunciation (bare/bear)

1. hyponymy
2. hyponym
3. homonyms
4. homophones

ANSWER homophones

Question 402 : In NLP, The process of identifying people, an organization from a given sentence, paragraph is called

1. Stemming
2. Lemmatization
3. Stop word removal
4. Named entity recognition

ANSWER Named entity recognition

Question 403 : Both _____ and finite-state automata can be used to describe regular languages

1. Language model
2. Deterministic Finite Automata
3. Regular expressions
4. Finite State Translators (FSTs)

ANSWER Regular expressions

Question 404 : Which is not one of the four frequently used meaning representations

1. First Order Predicate Calculus (FOPC)
2. Syntactic Network
3. Semantic Network
4. Conceptual Dependency diagram

ANSWER -----

Question 405 : Ambiguity cannot occurs in

1. Lexical
2. Discourse
3. Semantic
4. Pragmatic



ANSWER**Discourse**

Question 406 : Identify correct POS for a given sentence "I am a boxer"

1. DET aux. verb DET NN
2. PRP aux. verb DET PRP
3. NN verb DET NN
4. PRP aux. verb DET NN

ANSWER**PRP aux. verb DET NN**

Question 407 : A Network With Named Nodes And Labeled Arcs That Can Be Used To Represent Certain Natural Language Grammars To Facilitate Parsing.

1. Tree Network
2. Star Network
3. Transition Network
4. Complete Network

ANSWER**Transition Network**

Question 408 : Which of these is NOT a feature of pragmatics?

1. Cultural references
2. Use of humour and irony
3. Assumptions about audiences
4. Cohesion

ANSWER**Cohesion**

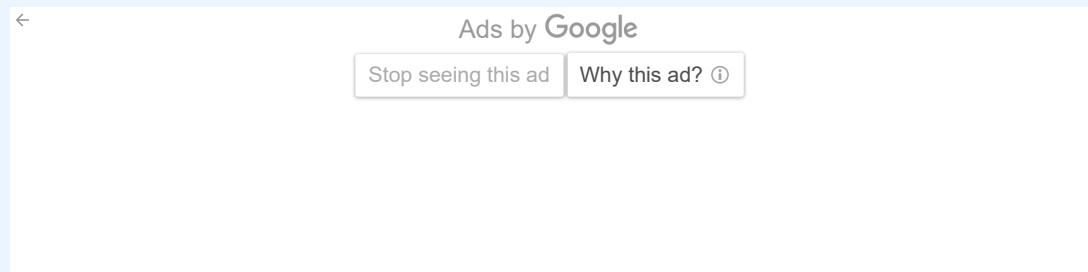
Question 409 : "She Got Her Trousers Shortened By One Inch". In This Statement, "One" Is Known As Which Type Of Reference In The Discourse Context?

1. Generic Reference
2. Indefinite Reference
3. Quantifier/Ordinal Reference
4. Demonstrative Reference

ANSWER**Quantifier/Ordinal Reference**

Question 410 : How many noun phrases are there in the following sentence , " The thief robbed the apartment"?

1. 1
2. 2
3. 3
4. 4

ANSWER**b**

Question 411 : The Boy Said To Girl , " Call Me A Cab", Girl Said "Ok You Are A Cab!", Which Type Of Ambiguity Do You Experience In Thi

1. Syntactic Ambiguity
2. Semantic Ambiguity
3. Anaphoric Ambiguity
4. Disclosure Ambiguity

ANSWER**Syntactic Ambiguity**

Question 412 : *is used to remove the suffixes from an English word and obtain its stem which becomes very useful in the field of Information Retrieval (IR).*

1. HMM Stemmer
2. Porter Stemmer
3. Markov Stemmer
4. Bert Stemmer

ANSWER**Porter Stemmer**

Question 413 : *Which of the following NLP problems can not be solved with Hidden Markov Model (HMM)?*

1. POS tagging
2. Speech recognition
3. Spelling correction
4. Stemming

ANSWER**Stemming**

Question 414 : *Spam E-mail detection is _____*

1. Text Summarization system
2. Text Categorization System
3. Sentiment analysis System
4. Machine Translation System

ANSWER**Text Categorization System**

Question 415 : *Which Of The Following Technique Is Not A Part Of Flexible Text Matching?*

1. Soundex
2. Metaphone
3. Edit Distance
4. Keyword Hashing

ANSWER**Keyword Hashing**

Question 416 : *What Includes Cultural Knowledge And Interpersonal Knowledge*

1. Situational Context
2. Background Knowledge
3. Co-Textual Context
4. Operational Knowledge

ANSWER**Background Knowledge**

Question 417 : *Distance measure used to calculate semantic similarity between words is _____*

1. Cosine Similarity
2. Manhattan Distance
3. Euclidean Distance
4. Levenshtein Distance



ANSWER**Question 418 :** Regular expressions are

1. case neutral
2. case sensitive
3. case exclusive
4. Depends on the expressions

ANSWER**case sensitive****Question 419 :** Which is not the component of logical expression in predicate logic

1. Predicates
2. Connectives
3. Quantifiers
4. Identifiers

ANSWER**Connectives****Question 420 :** "Excuse Me. You Are Standing On My Foot." This Sentence Is Not Just Plain Assertion; It Is A Request To Someone To Get Off Your Foot. Is An Example Of?

1. Discourse Analysis
2. Word Level Analysis
3. Semantic Analysis
4. Syntax Analysis

ANSWER**Discourse Analysis****Question 421 :** two or more words with the same form and related meanings by extension (foot of a person, of a bed, of a mountain); based on similarity

1. Metonymy
2. Hyponymy
3. Polysemy
4. Hyponym

ANSWER**Polysemy****Question 422 :** "Yesterday I went to college" contains _____ type of deixis.

1. Personal
2. Time
3. Social
4. Space

ANSWER**b****Question 423 :** Which of the following is correct example of stem "replayed"?

1. Replay
2. Play
3. Played
4. Replayed

ANSWER**Play****Question 424 :** What is the major difference between CRF (Conditional Random Field) and HMM (Hidden Markov Model)?

1. CRF is Generative whereas HMM is Discriminative model
2. CRF is Discriminative whereas HMM is Generative model
3. Both CRF and HMM are Generative model
4. Both CRF and HMM are Discriminative model

ANSWER **CRF is Discriminative whereas HMM is Generative model**

Question 425 : In Nlp, Context Modeling Is Supported With Which One Of The Following Word Embeddings

1. Word2Vec
2. Glove
3. Bert
4. Spelling Correction

ANSWER **Bert**

Question 426 : Which of the following example is the type of free morphemes?

1. Dog
2. Un-(unhappy)
3. Re-(Reschedule)
4. -y(smiley)

ANSWER **Dog**

Question 427 : Following property is of - _____ These taggers are knowledge-driven taggers

1. Rule Based Tagging
2. Stochastic tagging
3. HMM POS Tagging
4. Transformation-based Tagging

ANSWER **Rule Based Tagging**

Question 428 : In English language derivational morphemes can be.

1. Prefixes,infixes and sufices
2. Prefixes and sufices
3. Prefixes only.
4. Sufices only

ANSWER **Prefixes and sufices**

Question 429 : Word- Bass - as pitch Word- Bass as fish are

1. Homophones
2. Homograph
3. Synonyms
4. Antonyms

ANSWER **Homograph**

Question 430 : FSA define while FST define

1. Regular language, Regular language
2. Regular relation, Regular language
3. Regular language, Regular relation
4. Regular relation, Regular relation

ANSWER **Regular language, Regular relation**

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Question 431 : two forms with opposite meanings

1. antonyms
2. synonyms
3. Metonymy
4. hyponymy

ANSWER antonyms

Question 432 : Components of NLP?

1. NLU,NLG
2. NL simutator, NL analyser,NL scripting
3. LR-Translator,LR-parser
4. NLB-simulator, NLB-aquatiser

ANSWER NLU,NLG

Question 433 : The relatedness of polysemy is essentially based on similarity. ___ is using one to refer to the other.

1. Synonyms
2. Metonymy
3. Antonyms
4. Hyponym

ANSWER Metonymy

Question 434 : How does the state of the process is described in HMM?

1. a)Literal
2. b)Single random variable
3. c)Single discrete random variable
4. d)Literal and Single random variable

ANSWER c)Single discrete random variable

Question 435 : _____ is as a machine that reads one string and generates another

1. FSA
2. FST
3. FSM
4. FSI

ANSWER FST

Question 436 : In The English Language Derivational Morphemes Can Be.

1. Prefixes And Suffixes
2. Suffix Only
3. Prefix Only



4. Any Word

ANSWER**Prefixes And Suffixes**

Question 437 : _____ used to point to things (it, this, these) and people (him, them, those idiots) (-->We built -->this city on rock and roll.)

1. Partial deixis
2. Pragmatics
3. Temporal deixis
4. Personal deixis

ANSWER

Question 438 : Alice was beginning to get very tired of sitting by her sister on the bank, and of having nothing to do: once or twice she had peeped into the book her sister was reading, but it had no pictures or conversations in it, 'and what is the use of a book,' thought Alice 'without pictures or conversation?' Which among the options is NOT a coreferring expression?

1. Alice, her
2. Alice, she
3. Book, her
4. Book, it

ANSWER**Book, her**

Question 439 : One of the important factors for accurate machine translation is

1. N-grams
2. Resolving sense ambiguity
3. Testing data
4. Human translators

ANSWER**N-grams**

Question 440 : A context free language is called ambiguous if _____

1. It has 2 or more left derivations for some terminal string $w \in L(G)$
2. It has 2 or more right derivations for some terminal string $w \in L(G)$
3. It has 2 or more left & right derivations for some terminal string $w \in L(G)$
4. It has 3 or more left & right derivations for some terminal string $w \in L(G)$

ANSWER**It has 2 or more right derivations for some terminal string $w \in L(G)$**

Question 441 : Lexical semantics (also known as lexicosemantics), is a subfield of _____.

1. Sociology
2. linguistic semantics
3. Philosophy
4. Content mining

ANSWER**linguistic semantics**

Question 442 : For Research Article recommendation system _____ NLP application can be used.

1. Information Retrieval
2. Text Classification
3. Text Summarization
4. NER

ANSWER**b**

Question 443 : Which Application Of Nlp When Given A Question And Set Of Documents, Attempts To Find The Precise Answer Or Precise Portion Of Texts In Which The Answer Appears

1. Text Summarization
2. Question Answering
3. Information Extraction
4. Information Retrieval

ANSWER **Question Answering**

Question 444 : What Is Full Form Of Nlg? M

1. Natural Language Generation
2. Natural Language Genes
3. Natural Language Growth
4. Natural Language Generator

ANSWER **Natural Language Generation**

Question 445 : Which of the following is an application of NLP?

1. Summarizing a text or article
2. Designing mobile computing
3. front page designing
4. Database designing

ANSWER **Summarizing a text or article**

Question 446 : One way we organize our knowledge of words is on the basis of ___ (words that frequently occur together). We commonly associate certain words with other words. (Family Feud-esque, but with ONE word)

1. collocation
2. homophones
3. location
4. denotation

ANSWER **collocation**

Question 447 : How Many Components Of Nlp Are There?

1. Two
2. Three
3. Four
4. Five

ANSWER **Two**

Question 448 : "I almost bought an Acura Integra today, but a door had a dent and the engine seems noisy." This is an example of which type of referring expression

1. Reflexive
2. Gender Agreement
3. Inferrable
4. Selectional Restriction

ANSWER **Inferrable**

Question 449 : Which of the following word contains derivational as well as inflectional suffixes

1. regularity
2. carefully
3. older
4. availabilities

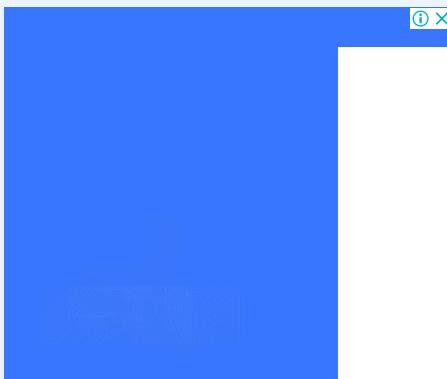
ANSWER**availabilities**

Question 450 : Two words are there with same spelling as "magazine". One has meaning as something you read and another is cartridge to store bullets for a gun. However both words senses are related as to store or save somewhere. This is an example of

1. Metonymy
2. Hyponymy
3. Polysemy
4. Hyponym

ANSWER**Polysemy**

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Question 451 : Maximum Entropy Model combines which features and in which model?

1. Homogeneous features, probabilistic framework
2. Heterogeneous features, dynamic framework
3. Homogeneous features, randomized framework
4. Heterogeneous features, probabilistic framework

ANSWER

Heterogeneous features, probabilistic framework

Question 452 : Subsequent reference to an already introduced entity; "referring back" (-->Paul's on the phone. I don't wanna talk to -->him.)

1. Face
2. Words
3. Anaphora
4. Cataphora

ANSWER

Anaphora

Question 453 : A web link within a web page that references another part of the same page is called a:

1. Out link
2. Vector
3. In link
4. Tendril

ANSWER



Question 454 : Focus on what the words conventionally mean, rather than on what an individual speaker might think they mean, or want them to mean, on a particular occasion; concerned with objective or general meaning and avoids trying to account for subjective or local meaning

1. semantic features
2. semantic analysis
3. Semantic roles
4. semantics

ANSWER**semantic analysis**

Question 455 : Consider the statement: "Ban on dancing on Governor's desk. " would be interpreted as:

1. (Ban (on dancing)) (on Governor's desk)
2. (Ban on ((dancing) on Governor's desk)
3. (Ban (on dancing on Governor's desk))
4. (Ban on (dancing) on ((governor's) desk)

ANSWER**(Ban on ((dancing) on Governor's desk)**

Question 456 : Which Application Of Nlp Captures And Outputs Factual Information Contained Within A Document?

1. Speech Recognition
2. Natural Language Interfaces To Db
3. Information Extraction
4. Information Retrieval

ANSWER**Information Extraction**

Question 457 : The input/output of a NLP system cannot be:

1. Sentence
2. Speech
3. 3D Model
4. Document

ANSWER**3D Model**

Question 458 : Inferrables, discontinuous sets, generics are the three types of referents that complicate the _____ problem.

1. Word sense disambiguation
2. discourse
3. reference resolution
4. pragmatics



ANSWER

Question 459 : What Does The Phenomena That Operates At Discourse Level Include?

1. Cohesion And Coherence
2. Corrosion And Erosion
3. Connection And Resolution
4. Co-Ordination And Co-Operation

ANSWER

Cohesion And Coherence

Question 460 : It is not type of text summarization

1. Extraction based
2. Abstraction based
3. Predicted based
4. Information based

ANSWER

Predicted based

Question 461 : _____ tools allow businesses to identify customer sentiment toward products, brands or services in online feedback.

1. Lexical analysis
2. Syntactical analysis
3. Hybrid analysis
4. Sentiment Analysis

ANSWER

Sentiment Analysis

Question 462 : 'The Indian Soldiers fought like a Lion', in order to understand the real meaning the statement has to undergo

1. Semantic Analysis
2. Pragmatic Analysis
3. Discourse Analysis
4. Syntactic Analysis

ANSWER

Semantic Analysis

Question 463 : How many bi-grams can be generated from given sentence: "Analytics Vidhya is a great source to learn data science"

1. 7
2. 8
3. 9



4. 10

ANSWER**9**

Question 464 : Which would definitely be rejected by the English syntactic analyzer?

1. Rahul is going to school
2. Rahul is Coming from School
3. Rahul is in the school
4. The Rahul the go to the school

ANSWER**d**

Question 465 : Many words have more than one meaning; selecting the sensible meaning in context is done with

1. Randomization
2. Shallow semantic analysis
3. Word Sense Disambiguation
4. POS tagging

ANSWER**Word Sense Disambiguation**

Question 466 : Polysemy is defined as the coexistence of multiple meanings for a word or phrase in a text object. Which of the following models is likely the best choice to correct this problem?

1. Random Forest Classifier
2. Convolutional Neural Networks
3. Gradient Boosting
4. Classification

ANSWER**Convolutional Neural Networks**

Question 467 : Lappin and Leass Algorithm is used for

1. Coherence Relation
2. Pronoun Resolution
3. Anaphora Resolution
4. Syntax Analysis

ANSWER**Pronoun Resolution**

Question 468 : The _____ summarization technique involves pulling keyphrases from the source document.

1. Extractive



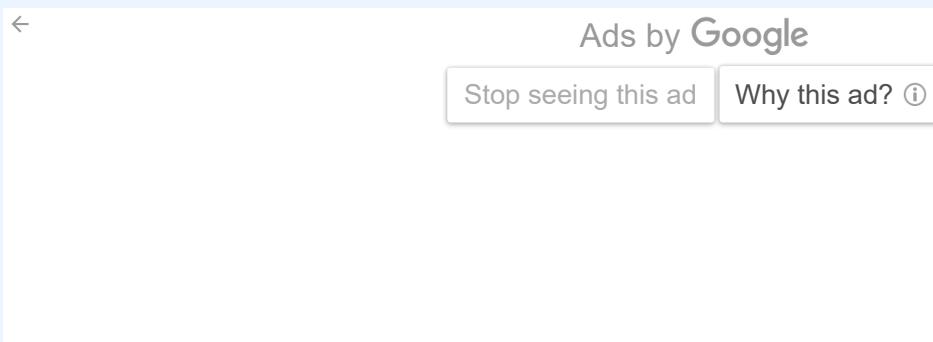
2. Abstractive
3. Regular
4. Automatic

ANSWER**a****Question 469 : Semantic Analysis Is Concerned With**

1. Meaning Representation Of Linguistic Inputs
2. Antonyms Of Linguistic Inputs
3. Syntax Representation Of Linguistic Inputs
4. Meaning Representation Of Programming Language Inputs

ANSWER**Meaning Representation Of Linguistic Inputs****Question 470 : Parts-of-Speech tagging determines _____**

1. part-of-speech for each word dynamically as per meaning of the sentence
2. part-of-speech for each word dynamically as per sentence structure
3. all part-of-speech for a specific word given as input
4. every thing mentioned above

ANSWER**all part-of-speech for a specific word given as input****Question 471 : Google Translate is one of the _____ application.**

1. Machine translation
2. Information Retrieval
3. Information Extraction
4. Summarisation

ANSWER**-----****Question 472 : Techniques not used in phrases extraction**

1. Part of speech tagging
2. Statistical phrase extraction
3. Hybrid



4. Decompounding

ANSWER

Decompounding

Question 473 : *Morphological Segmentation is*

1. Finding the sense of each word in the sentence
2. Separating words into individual morphemes and identifying the class of the morphemes
3. An extension of propositional logic
4. Separating words into individual tokens and counting its frequency of occurrence

ANSWER

b

Question 474 : *Which method of sentiment analysis uses a variety of words annotated by polarity score, to decide the general assessment score of a given content.*

1. Word-Based
2. Lexicon-Based
3. Hybrid
4. Opinion-Based

ANSWER

Lexicon-Based

Question 475 : *Syntactic n -grams are n -grams defined by paths in _____ dependency or constituent trees rather than the linear structure of the text*

1. Syntactic
2. Semantic
3. Symbolic
4. Lexical

ANSWER

Syntactic

Question 476 : "Car is a _____ of "vehical".

1. Antonym
2. Hypernym
3. Hypernym
4. Hyponym

ANSWER

d

Question 477 : *Sentiment analysis is also known as _____*

1. Opinion mining
2. Data mining



3. Text Analysis
4. Automatic Summarization

ANSWER**Opinion mining**

Question 478 : A grammar that produces more than one parse tree for the same sentence is called as _____

1. Contiguous
2. Ambiguous
3. Unambiguous
4. Regular

ANSWER**Ambiguous**

Question 479 : For Hate Speech Detection from facebook messages _____ NLP technique can be used.

1. Text Classification
2. Information Retrieval
3. Information Summarization
4. Information Indexing

ANSWER**a**

Question 480 : The statement "Indirect speech acts are when there is no coincidence between the type of illocutionary act and the syntactic structure of the message", means that:

1. The intention is not explicitly expressed in the message
2. The intention is expressed in the message
3. The act is expressed in intention
4. The intention is expressed as the act.

ANSWER**The intention is not explicitly expressed in the message**

Question 481 : Mentions are span of text referring to some entity. Which is not a mention here?

1. Named entities
2. Pronouns
3. Noun phrases
4. Adverb phrases

ANSWER**-----**

Question 482 : Polysemy is a Greek word, which means



1. Many names
2. Many signs
3. Many meanings
4. Many verbs

ANSWER**Many meanings**

Question 483 : Mlmenu, A Natural Language Interface For The Ti Explorer, Is Similar To:

1. Ethernet
2. Naturallink
3. Prolog
4. The Personal Consultant

ANSWER**Naturallink**

Question 484 : What Is The Major Difference Between Crf (Conditional Random Field) And Hmm (Hidden Markov Model)?

1. Crf Is Generative Whereas Hmm Is Discriminative Model
2. Crf Is Discriminative Whereas Hmm Is Generative Model
3. Crf And Hmm Are Generative Model
4. Crf And Hmm Are Discriminative Model

ANSWER**Crf Is Discriminative Whereas Hmm Is Generative Model**

Question 485 : The area of AI that investigates methods of facilitating communication between people and computers is:

1. natural language processing
2. symbolic processing
3. decision support
4. robotics

ANSWER**natural language processing**

Question 486 : which model is used for statistical machine translation

1. Probabilistic model
2. Entropy model
3. FST
4. Rule based model

ANSWER**FST**

Question 487 : What Is Viewed As Problem Of Probabilistic Inference?

1. Speech Recognition
2. Speaking
3. Hearing
4. Utterance

ANSWER**Speech Recognition**

Question 488 : *NP → Det Adj Noun, it denotes _____*

1. Adjective Phrase
2. Noun Phrase
3. Noun Adjective Phrase
4. Determiner Phrase

ANSWER**Noun Phrase**

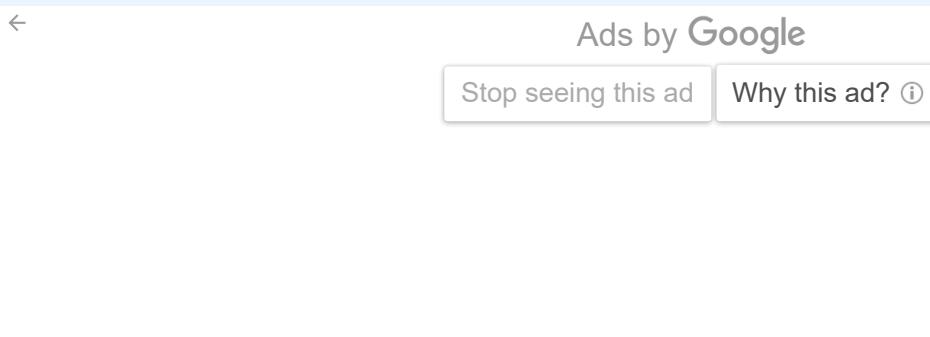
Question 489 : *A prepositional phrase consists of a preposition and its*

1. Object
2. Subject
3. Noun
4. Verb

ANSWER**Object**

Question 490 : *Which algorithm is used to train HMM model?*

1. Early algorithm
2. Lexk algorithm
3. Forward-backward or Welch algorithm
4. A centering algorithm

ANSWER**Forward-backward or Welch algorithm**

Question 491 : *What is full form of NLP?*

1. Natural Language Processing
2. Natural Language Procedure



3. Natural Language Process
4. Natural Language pages

ANSWER**Natural Language Processing**

Question 492 : Which is concerned with retrieval from a document collection where documents in multiple languages co-exist and need to be retrieved to a query in any language.

1. CLIR
2. BLIR
3. MLIR
4. Monolingual IR

ANSWER**-----**

Question 493 : which type of summarizer will be suitable for summarizing tweets about Covid19 ?

1. Extractive
2. Explorative
3. Explanable
4. Absolute

ANSWER**a**

Question 494 : Tool, instrument, implement, organ, utensil ---is example of _____

1. Homonym
2. Antonym
3. Hyponymy
4. Synonymy

ANSWER**Hyponymy**

Question 495 : _____ tagger uses probabilistic and statistical information to assign tags to words.

1. Rule based
2. Stochastic tagger
3. Statistical Tagger
4. POS tagger

ANSWER**b**

Question 496 : Over-stemming can also be regarded as _____.

1. False-Positives
2. False-Negative



3. True-Positive
4. True-Negative

ANSWER**False-Positives**

Question 497 : Following property is of -. These taggers are knowledge-driven

1. Rule based Tagging
2. Stochastic Tagging
3. Rule based Tagging and Stochastic Tagging
4. Neither Rule based Tagging nor Stochastic Tagging

ANSWER**Rule based Tagging**

Question 498 : Which of the following is the example of surface segmentation?

1. Achievability = achievabil + ity
2. Achievability = achiev + ability
3. Achievability = Achieve + able + ity
4. Achievability = achiev + abil + ity

ANSWER**Achievability = achiev + abil + ity**

Question 499 : In text mining, how the words 'lovely' is converted to 'love'-

1. By stemming
2. By tokenization
3. By lemmatization
4. By rooting

ANSWER**By stemming**

Question 500 : It performs extensive analysis of linguistic phenomena through explicit representation of facts about language and well-understood knowledge representation schemas and associated algorithms. What is it?

1. Convolutional Neural Networks
2. Rule based Approach
3. Corpus based.
4. Hybrid

ANSWER**Rule based Approach**

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Question 501 : the study of the meaning of words, phrases, and sentences (meaning in a language)

1. Semantic roles
2. homonyms
3. location
4. semantics

ANSWER

semantics

Question 502 : What is morphology?

1. The study of the rules governing the sounds that form words
2. The study of the rules governing sentence formation
3. The study of the rules governing word formation
4. The study of the rules governing the sounds that form sentence

ANSWER

The study of the rules governing sentence formation

Question 503 : How to compute probability of a sentence or sequence of sentence in N-gram model?

1. $P(W) = P(W_1, W_2, W_3, \dots, W_n)$
2. $P(W) = P(W_n+1 | W_{n-1})$
3. $P(W) = P(W_{n-1} | W_n)$
4. $P(W) = P(W_n+1 | W_n)$

ANSWER

$P(W) = P(W_1, W_2, W_3, \dots, W_n)$

Question 504 : In which class, new words are added all the time



1. Open class
2. Closed class
3. Tree bank
4. WSD

ANSWER**Open class**

Question 505 : If your training loss increases with number of epochs, which of the following could be a possible issue with the learning process?

1. Regularization is too low and model is overfitting
2. Regularization is too high and model is underfitting
3. Step size is too large
4. Step size is too small

ANSWER**-----**

Question 506 : The statement "Time passes very quickly" can be represented as

1. AdvP->(Intens) NP
2. AdvP->(Intens) Adv
3. N->Wh-NP VP
4. S->Wh-NP VP

ANSWER**AdvP->(Intens) NP**

Question 507 : For understanding semantic relation between terms which type of technique used?

1. Supervised learning
2. Clustering technique
3. Ontology based classification
4. Unsupervised learning

ANSWER**Ontology based classification**

Question 508 : Which is not a POS tagging approaches

1. Rule based POS tagging
2. Stochastic POS tagging
3. Transformation based Tagging
4. Fuzzy logic based Tagging

ANSWER**Fuzzy logic based Tagging**

Question 509 : Which two events are used by Hidden Markov model to build probabilistic model?



1. Transitive and Hidden events
2. Transitive and emission events
3. Observed and Hidden events
4. Emission and Hidden events

ANSWER**Transitive and emission events**

Question 510 : Parsing determines _____ (Grammatical Analysis) for a given sentence.

1. Parse Tree
2. Parse Graph
3. Parse Plan
4. Parse Model

ANSWER**-----**

Question 511 : For e.g. sentence is "Park the car". POS for words in sentences park: Noun, Verb. the: Determiner. car: Noun. How many hidden state sequences are possible

1. 4
2. 8
3. 7
4. 2

ANSWER**2**

Question 512 : Number, person, gender and case agreements are examples of which types of constraints on reference resolution?

1. semantic
2. lexical
3. discourse
4. syntactic

ANSWER**-----**

Question 513 : Which of the following is the example of overstemming?

1. Univers
2. Universe
3. Universal
4. University

ANSWER**Univers**

Question 514 : Reasoning about time can be facilitated by:



1. Detection and normalization of temporal expressions.
2. TimeBank Corpus
3. Sequence Models
4. Fixed set of slots

ANSWER**Detection and normalization of temporal expressions.**

Question 515 : To automat HR recruitment process _____ type of NLP application will be suitable.

1. Question Answering System
2. Machine Transltion
3. Sentiment Analysis
4. NER

ANSWER**a**

Question 516 : are the lexemes with the same orthographic form but different meaning.

1. homographs
2. homophones
3. synonyms
4. Hypernyms

ANSWER**a**

Question 517 : Which of the following instances the regular expression “\b(one|two|three)\b” can recognize?

1. “one”
2. “onetwo”
3. “TWO”
4. “THREE”

ANSWER**“one”**

Question 518 : Solve the equation according to the sentence “I am planning to visit New Delhi to attend Analytics Vidhya Delhi Hackathon”. A = (# of words with Noun as the part of speech tag) B = (# of words with Verb as the part of speech tag) C = (# of words with frequency count greater than one) What are the correct values of A, B, and C?

1. 5, 5, 2002
2. 5, 5, 2000
3. 7, 5, 2001
4. 7, 4, 2002

ANSWER**7, 4, 2002**

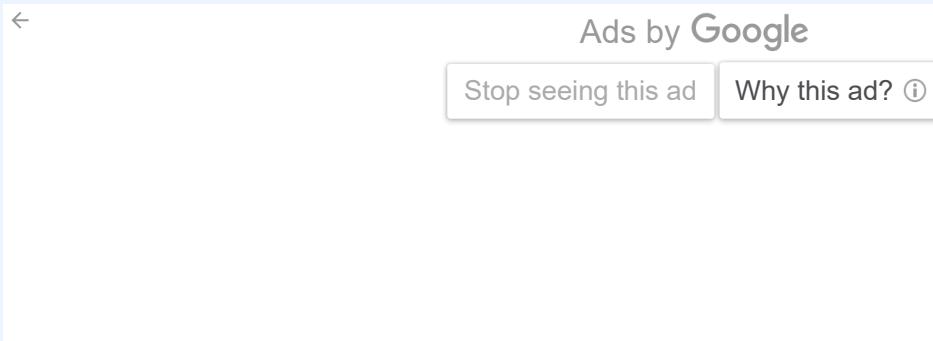
Question 519 : In an HMM, observation likelihoods measure

1. The likelihood of a POS tag given a word
2. The likelihood of a POS tag given the preceding tag
3. The likelihood of a word given a POS tag
4. The likelihood of a POS tag given two preceding tags

ANSWER**The likelihood of a word given a POS tag**

Question 520 : Assume a corpus with 350 tokens in it. We have 20 word types in that corpus ($V = 20$). The frequency (unigram count) of word types "short" and "fork" are 25 and 15 respectively. If we are using the Laplace smoothing, which of the following is $P_{\text{Laplace}}(\text{"fork"})$?

1. 15/350
2. 16/370
3. 30/350
4. 31/370

ANSWER**16/370**

Question 521 : The phase Syntax Analysis is modeled on the basis of

1. High level language
2. Low level language
3. Context free grammar
4. Regular grammar

ANSWER**Context free grammar**

Question 522 : PROLOG, LISP, NLP are the language of

1. Artificial Intelligence
2. Machine Learning
3. Internet of Things
4. Deep Learning

ANSWER**Artificial Intelligence**

Question 523 : Which of the following models can be estimated by maximum likelihood estimator?

1. Support Vector Machines
2. Maximum Entropy Model
3. k Nearest Neighbor
4. Naive Bayes.

ANSWER

Maximum Entropy Model

Question 524 : Lexical semantics deals with_____

1. Meaning of word
2. internal structure of words
3. relationship between the words
4. All a,b,c

ANSWER

Meaning of word

Question 525 : _____ is the process of understanding if a given text is talking positively or negatively about a given subject (e.g. for brand monitoring purposes).

1. Syntactical analysis
2. Hybrid analysis
3. Sentiment Analysis
4. Lexical analysis

ANSWER

Sentiment Analysis

Question 526 : For automated complaint handling _____ type of NLP application can be used.

1. NER
2. Machine Translation
3. Sentiment Analysis
4. Text Categorization

ANSWER

d

Question 527 : Meaning Representation Bridges The Gap Between

1. Linguistic & Commonsense Knowledge
2. Dictionary & Special Knowledge
3. Mother Tongue & Commonsense Knowledge
4. Linguistic & Mother Tongue Knowledge

ANSWER

Linguistic & Commonsense Knowledge



Question 528 : A _____ is a word that resembles a preposition or an adverb, and that often combines with a verb to form a larger unit called a phrasal verb

1. Preposition
2. Determiners
3. Particle
4. Adjectives

ANSWER**Particle**

Question 529 : Which of the following is the example of understemming?

1. Data
2. Date
3. Datum
4. Dat, Datu

ANSWER**Dat, Datu**

Question 530 : In Probability Ranking Principal, Ranking documents in order of _____ probability of relevance is optimal.

1. Increasing
2. Decreasing
3. Anyway
4. Steady

ANSWER**Decreasing**

Question 531 : The words 'there' and 'their' causes which of the following type of ambiguity?

1. Syntactic
2. Semantic
3. Phonological
4. Pragmatic

ANSWER**Phonological**

Question 532 : Correct rule to write noun phrase for the sentence "The boy gave the girl a book"

1. VP – Verb NP
2. VP – Verb PP
3. VP – NP PP
4. VP – Verb NP NP

ANSWER**VP – NP PP**

Question 533 : "Parrot ate the guava as it was ripe" Identify the ambiguity

1. Noun resolutionx
2. Adjective resolution
3. Verb resolution
4. Pronoun resolution

ANSWER

Pronoun resolution

Question 534 : Which Of The Following Is Used To Mapping Sentence Plan Into Sentence Structure?

1. Text Planning
2. Sentence Planning
3. Text Realization
4. Cosine Similarity

ANSWER

Text Realization

Question 535 : "Monkey ate the banana as it was ripe" Identify the dependency checking to resolve the ambiguity of 'it'

1. Monkey, banana
2. Banana, ripe
3. Monkey, ripe
4. Ate, banana

ANSWER

Banana, ripe

Question 536 : Uses unidirectional language model for producing word embedding

1. BERT
2. GPT
3. ELMo
4. Word2Vec

ANSWER

GPT

Question 537 : Polysemy Is Defined As The Coexistence Of Multiple Meanings For A Word Or Phrase In A Text Object. Which Of The Following Models Is Likely The Best Choice To Correct This Problem?

1. Random Forest Classifier
2. Convolutional Neural Networks
3. Gradient Boosting
4. Facial Recognition

ANSWER

Convolutional Neural Networks



Question 538 : In NLP, computer has to understand natural language in which format

1. Text and/or speech
2. Structured format
3. Unstructured format
4. XML format

ANSWER

Text and/or speech

Question 539 : _____ is not a module in question answering system

1. Question Analysis
2. Answer Selection
3. Sentiment Analysis
4. Information Retrieval

ANSWER

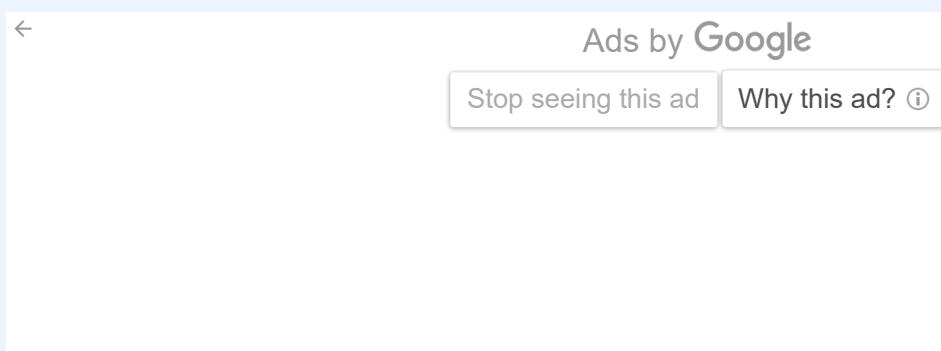
Sentiment Analysis

Question 540 : Which of the following belongs to the open class group?

1. Noun
2. Prepositions
3. Determiners
4. Conjunctions

ANSWER

a



Question 541 : Which approach is used for spelling error detection and correction

1. Script Validation
2. Tokenization
3. N-gram
4. Filteration

ANSWER

N-gram

Question 542 : How given sentence represented using Bigram model? "I want to eat Indian food"

1. {(I, want), (want, to), (to, eat), (eat, Indian), (Indian, food)}



2. {(I), (want, to), (to, eat), (eat, Indian),(Indian, food),(food, I)}
3. {(I, want, to), (want, to, eat), (to, eat, Indian), (eat, Indian, food)}
4. {(I), (want), (to), (eat), (Indian), (food)}

ANSWER

{(I, want), (want, to), (to, eat), (eat, Indian),(Indian, food)}

Question 543 : Assume that there are 10000 documents in a collection. Out of these, 50 documents contain the terms "difficult task". If "difficult task" appears 3 times in a particular document, what is the TFIDF value of the terms for that document?

1. 8.11
2. 15.87
3. 0
4. 81.1

ANSWER

15.87

Question 544 : In NLP, word "natural" indicates

1. To distinguish human languages from computer languages
2. It is subfield of AI
3. It is more close to English language
4. It is closed to all languages except English language

ANSWER

To distinguish human languages from computer languages

Question 545 : What is the single morpheme of word "Boxes"?

1. Box
2. Boxes
3. Boxeses
4. Boxing

ANSWER

a

Question 546 : Which of the following techniques can be used to compute the distance between two words?

1. Lemmatization
2. Part of Speech Tagging
3. Dekang Lin
4. N-grams

ANSWER

c

Question 547 : Following property is of - . This POS tagging is based on the probability of tag occurring

1. Rule based Tagging
2. Stochastic Tagging
3. Rule based Tagging and Stochastic Tagging
4. Neither Rule based Tagging nor Stochastic Tagging

ANSWER**Stochastic Tagging**

Question 548 : Which are the consonants in a given string? "SYZYGEO"

1. S, Z, G
2. Y, E
3. Y, O
4. S, Y, O, Z, G

ANSWER**S, Z, G**

Question 549 : In the sentence, "They bought a blue house ", the underlined part is an example of _____.

1. Noun phrase
2. Verb phrase
3. Prepositional phrase
4. Adverbial phrase

ANSWER**Noun phrase**

Question 550 : For e.g. "Before she purchased it, Mary checked warranty card of the product". In the context of pronoun, this is the example of

1. Cataphora
2. Bound
3. Free
4. Random

ANSWER**-----**

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Question 551 : *Which instruments are used for perceiving and acting upon the environment?*

1. Sensors and Actuators
2. Sensors
3. Perceiver
4. effector

ANSWER

Question 552 : *"Ram's bike is new" is _____ type of presupposition*

1. Factive
2. Existential
3. Lexical
4. Structural

ANSWER

b

Question 553 : *"Sagar loved watching movies. He likes comedy movies." Given sentence does not hold _____ type of ambiguity*

1. Syntax Level ambiguity
2. Referential ambiguity
3. Lexical Ambiguity
4. Syntax Level & Referential ambiguity

ANSWER



Question 554 : HMM graphs consist of a Hidden Space and Observed Space, where the hidden space consists of the _____ and the observed space is the _____

1. Input, Categories
2. Values, Variables
3. Labels, Input
4. Variables, Values

ANSWER**Labels, Input**

Question 555 : An optimizer Compiler

1. Is optimized to occupy less space
2. Both of the mentioned
3. Optimize the code
4. None of the mentioned

ANSWER**None of the mentioned**

Question 556 : A DFA is a tuple $A = (Q, \Sigma, \delta, q_0, F)$, what does δ indicates?

1. Finite set of state
2. A finite set of input symbols
3. Transition function
4. A set of final states

ANSWER**Transition function**

Question 557 : Words 'happy', 'talk', 'use' are examples of which morpheme

1. Prefix
2. Bound
3. Free
4. Suffix

ANSWER**Free**

Question 558 : Probabilistic context-free grammar (PCFG) is also known as the _____

1. Stochastic context-free grammar
2. Context sensitive context-free grammar
3. Regular grammar
4. Unrestricted context free grammar

ANSWER**Stochastic context-free grammar**

Question 559 : A model of information retrieval in which we can pose any query in which search terms are combined with the operators AND, OR, and NOT:

1. Ad Hoc Retrieval
2. Ranked Retrieval Model
3. Boolean Information Model
4. Proximity Query Model

ANSWER**Boolean Information Model**

Question 560 : _____ deals with analyzing emotions, feelings and attitude of speaker or writer from given piece of text

1. Semantic Analysis
2. Sentiment Analysis
3. Information Retrieval
4. Text classification

ANSWER**Sentiment Analysis**

Question 561 : What is not the field of Natural Language Processing (NLP)?

1. Computer Science
2. Artificial Intelligence
3. Linguistics
4. Economics

ANSWER**Economics**

Question 562 : When Training A Language Model, If We Use An Overly Narrow Corpus, The Probabilities

1. Don't Reflect The Task
2. Reflect All Possible Wordings
3. Reflect Intuition
4. Don't Generalize

ANSWER**Don't Generalize**

Question 563 : The word "Tree" is an example of

1. Complex words
2. Compound words
3. Simple words
4. Joint Words

ANSWER**Simple words**

Question 564 : What is Morphological Segmentation?

1. Does Discourse Analysis
2. Separate words into individual morphemes and identify the class of the morphemes
3. Is an extension of propositional logic
4. generate language

ANSWER

Separate words into individual morphemes and identify the class of the morphemes

Question 565 : Which of these is NOT a feature of pragmatics?

1. cultural references
2. assumptions about audiences
3. implication and inference
4. cohesion

ANSWER

cohesion

Question 566 : Which is most common algorithm used in English language for Stemming?

1. Partial stemmer
2. Porter stemmer
3. faster stemmer
4. Regular stemmer

ANSWER

b

Question 567 : In which type of morphology, grammatical changes like number, tense, case gender takes place. e.g. walk, walks, walked, walking

1. Derivational
2. Inflectional
3. Both derivation and inflectional
4. Semantic

ANSWER

Inflectional

Question 568 : Cohesion Bounds Text Together. Consider The Following Piece Of Text "Yesterday, My Friend Invited Me To Her House. When I Reached, My Friend Was Preparing Coffee. Her Father Was Cleaning Dishes. Her Mother Was Busy Writing A Book." Each Occurance In The Above Text Refers To Which Noun Phrase?

1. Me
2. Friend'S Father
3. Friend'S Mother



4. My Friend'S

ANSWER**My Friend'S****Question 569 : What is a lemma?**

1. A type of phoneme
2. A phonological representation of a word
3. The abstract form of a word containing information relating to the meaning of a word
4. A type of semantic

ANSWER**The abstract form of a word containing information relating to the meaning of a word****Question 570 : In Semantic Analysis word embedding is used to _____**

1. Classify ambiguity in sentence
2. Convert text data to numeric vector
3. Feature Selection
4. Feature Reduction

ANSWER**-----**

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Question 571 : In the sentence " I made her duck." Here the word "her" is

1. semantically ambiguous
2. syntactically ambiguous
3. morphologically ambiguous
4. not ambiguous

ANSWER**syntactically ambiguous****Question 572 : Context –free grammars also known as**

1. Meaning structure grammars
2. Character structure grammars
3. Shape structure grammars
4. Phrase structure grammars



ANSWER**d**

Question 573 : The steps of preprocessing in Natural Language Processing does not include..

1. Stemming
2. Tokenization
3. Stop Word Removal
4. Segmantation

ANSWER**Segmantation**

Question 574 : Which Of The Following Is Used To Mapping Sentence Plan Into Sentence Structure?

1. Text Planning
2. Sentence Planning
3. Text Realization
4. Stemming

ANSWER**Text Realization**

Question 575 : What is not the field of Natural Language Processing (NLP)?

1. Computer Science
2. Artificial Intelligence
3. Linguistics
4. building robot

ANSWER**building robot**

Question 576 : What could possibly be the environment of a Satellite Image Analysis System?

1. Computers in space and earth
2. Image categorization techniques
3. Statistical data on image pixel intensity value and histograms
4. All of the mentioned

ANSWER**All of the mentioned**

Question 577 : In test summarisation an _____ is formed by selecting phrases or sentences from the document to be summarized

1. Abstract
2. Extract
3. Information
4. Prose

ANSWER**Extract**

Question 578 : Main reason for tokenization

1. It is simplest process
2. Processing on word can be easily performed
3. Almost all algorithms of tokenization executes in polynomial time
4. Readymade program are available in various programming language

ANSWER**Processing on word can be easily performed****Question 579 : Correct machine translation from English to Hindi for sentence: "House temperature "**

1. Ghar tapman
2. Ghar ka tapman
3. Ghar ka temperature
4. House ka tapman

ANSWER**Ghar ka tapman****Question 580 : _____ interpretation is done by adding context-dependant information**

1. Semantic
2. Pragmatic
3. Syntactic
4. Word level Analysis

ANSWER**Pragmatic****Question 581 : Word segmentation is mostly used when**

1. Hyphens are present
2. Multiple alphabets intermingled
3. Long sentences
4. No space between words

ANSWER**Long sentences****Question 582 : How many DFA's exits with two states over input alphabet {0,1} ?**

1. 16
2. 26
3. 32
4. 64

ANSWER**64**

Question 583 : Sentiment analysis is the interpretation and classification of _____ emotions within text data using text analysis techniques

1. positive
2. negative
3. neutral
4. All positive,negative and neutral

ANSWER

All positive,negative and neutral

Question 584 : Which type of ambiguity is present in the sentence "Old men and women were taken to safe locations"?

1. Attachment ambiguity
2. Scope Ambiguity
3. Discourse ambiguity
4. Semantics Ambiguity

ANSWER

b

Question 585 : Which Of The Following Statement Is(Are) True For Word2Vec Model?

1. The Architecture Of Word2Vec Consists Of Only Two Layers – Continuous Bag Of Words And Skip-Gram Model
2. Continuous Bag Of Word (Cbow) Is A Recurrent Neural Network Model
3. Cbow And Skip-Gram Are Shallow Neural Network Models
4. Convolutional Neural Networks

ANSWER

Cbow And Skip-Gram Are Shallow Neural Network Models

Question 586 : In POS, using generative approach, direction of flow is from class to words

1. Yes
2. No
3. Depends on sentence
4. Randomly

ANSWER

No

Question 587 : In which method parts of the documents are labeled and other parts are not labeled during text categorization

1. Supervised learning method
2. Unsupervised learning method
3. Semi-supervised learning method
4. Sub-supervised learning method



ANSWER**Semi-supervised learning method**

Question 588 : What Is The Number Of Trigrams In A Normalized Sentence Of Length N Words?

1. N
2. N-1
3. N-2
4. N-3

ANSWER**N-2**

Question 589 : Suppose we want to calculate a probability for the sequence of observations {‘Dry’,‘Rain’}. If the following are the possible hidden state sequences, then $P(‘Dry’,‘Rain’) = \text{-----}$. Transition probabilities: $P(‘Low’|‘Low’)=0.3$, $P(‘High’|‘Low’)=0.7$ $P(‘Low’|‘High’)=0.2$, $P(‘High’|‘High’)=0.8$

- Observation probabilities : $P(‘Rain’|‘Low’)=0.6$, $P(‘Dry’|‘Low’)=0.4$ $P(‘Rain’|‘High’)=0.4$, $P(‘Dry’|‘High’)=0.3$
- Initial probabilities: $P(‘Low’)=0.4$, $P(‘High’)=0.6$

1. 0.1748
2. 0.2004
3. 0.1208
4. 0.2438

ANSWER**-----**

Question 590 : The main aim of Natural Language Processing is to _____ the human language.

1. Cipher
2. Index
3. Understand
4. Complicate

ANSWER**Understand**

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Question 591 : Parts of speech can be divided into two broad supercategories, one supercategory is

1. Sub Class
2. Open Class
3. Join Class



4. Empty Class

ANSWER**Open Class**

Question 592 : In HMMs, spaces are connected via _____ matrices {T,A} to represent the probability of _____ from one state to another following their _____.

1. Transitions, Transitioning, Connections
2. Attribute, Changing, groups
3. Label, moving, sets
4. Transitions, Chaning, Sets

ANSWER**Transitions, Chaning, Sets**

Question 593 : Under-stemming can be interpreted as _____.

1. False-Positives
2. False-Negative
3. True-Positive
4. True-Negative

ANSWER**-----**

Question 594 : Which is not method of WSD?

1. Supervised learning
2. Dictionary method
3. Unsupervised learning
4. Sem-supervised learning

ANSWER**Sem-supervised learning**

Question 595 : NLP Stands for.

1. Natural Language Protocol
2. Natural Lingual Protocol
3. Natural Lingual Processing
4. Natural Language Processing

ANSWER**Natural Language Processing**

Question 596 : What is the term frequency of a term which is used a maximum number of times in that document?

1. t4 – 2/6
2. t1 – 2/6



3. t3 – 3/6
4. t6 – 2/5

ANSWER**t3 – 3/6**

Question 597 : In maximum entropy model, generally features are ----- in nature.

1. Binary
2. Unary
3. Ternary
4. Random

ANSWER**Binary**

Question 598 : "The German authorities said a 'Colombian' who had lived for a long time in the Ukraine flew in from Kiev. 'He' had 300 grams of plutonium 239 in his baggage." is an example of which type of reference?

1. Nominative Pronoun
2. Oblique Pronoun
3. Possessive Pronoun
4. Reflexive Pronoun

ANSWER**a**

Question 599 : A grammar that produces more than one parse tree for some sentence is called

1. Ambiguous
2. Unambiguous
3. Regular
4. None of the mentioned

ANSWER**Ambiguous**

Question 600 : Which of the following algorithms is widely used for text classification?

1. Decision tree
2. Support vector machine
3. Naive Bayes
4. All of the mentioned

ANSWER**All of the mentioned**

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Question 601 : Which will be suitable NLP method For COVID 19 News Analysis from the online newspaers ?

1. NER
2. Machine Transltion
3. Sentiment Analysis
4. Text Summarization

ANSWER

d

Question 602 : What is significance of caret ^ in regular expression?

1. If [ab ^ cd] means " a or b ^ c and d".
2. If [^A-Z] means all uppercase nothing negated.
3. If caret is first symbol after the open square brace "[" then resulting pattern is negated.
4. If [^a-b] means all lowercase nothing negated.

ANSWER

If caret is first symbol after the open square brace "[" then resulting pattern is negated.

Question 603 : Which Mt Systems Involve Low Computational Costs And Can Be Extended Easily?

1. Retrieval-Based Mt
2. Example-Based Mt
3. Speech-Based Mt
4. Interlingua-Based Mt

ANSWER

Example-Based Mt



Question 604 : Knowledge of the relationship of meaning to the goals and intentions of the speaker is

1. Morphology
2. Semantics
3. Pragmatics
4. Discourse

ANSWER

Pragmatics

Question 605 : Which of the following is TRUE about CRF (Conditional Random Field) and HMM (Hidden Markov Model)?

1. CRF is generative model and HMM is discriminative model
2. Both CRF and HMM are generative model
3. CRF is discriminative model and HMM is generative model
4. Both CRF and HMM are discriminative model

ANSWER

CRF is discriminative model and HMM is generative model

Question 606 : In NLG _____ includes retrieving the relevant content from knowledge base.

1. Text planning
2. Sentence planning
3. Text Realization
4. Text Mapping

ANSWER

Text planning

Question 607 : Singular: knife, Plural : Knives Which rules are applied

1. Morphological Rule
2. Orthographic rule
3. Mechanical Rule
4. Dynamic Rule

ANSWER

Orthographic rule

Question 608 : A group of related documents against which information retrieval is employed is called:

1. Corpus
2. Text Database
3. Index Collection
4. Repository

ANSWER

Corpus



Question 609 : What changes the letters from one alphabet or language into the corresponding, similar-sounding characters of another alphabet

1. Summarization
2. Translation
3. Transliteration
4. Transformation

ANSWER**Translation**

Question 610 : What Is The Knowledge About Physical Situations Existing In The Surroundings At The Time Of Utterance?

1. Situational Context
2. Background Knowledge
3. Co-Textual Context
4. Operational Knowledge

ANSWER**Situational Context**

Question 611 : Pronouns usually refer to entities that were introduced no further than one or two sentences back in the ongoing discourse, whereas _____ can often refer further back.

1. demonstratives
2. indefinite noun phrase
3. one anaphora
4. definite noun phrases

ANSWER

Question 612 : How Many Steps Of Nlp Is There?

1. Three
2. Four
3. Five
4. Six

ANSWER**Five**

Question 613 : To identify the category of each word in a sentence

1. Parsing
2. POS
3. Semantic Analysis
4. Pragmatics

ANSWER**POS**

Question 614 : Mercedes is a ___ of luxury.

1. Homonym
2. Antonyms
3. Synonyms
4. Taxonomy

ANSWER

Synonyms

Question 615 : Idea behind maximum entropy is

1. To build a distribution by continuously separating features.
2. To build a distribution by continuously adding features.
3. Ignore words feature and build a model
4. Build a model from class to word.

ANSWER

To build a distribution by continuously adding features.

Question 616 : Which Mt Systems Produce An Abstract Represenation Using Which, The Target Language Text Can Be Generated?

1. Retrieval-Based Mt
2. Example-Based Mt
3. Speech-Based Mt
4. Interlingua-Based Mt

ANSWER

Interlingua-Based Mt

Question 617 : Which of the following is the major problem in Machine Translation?

1. Referential Ambiguity
2. Stop word
3. Emoticons
4. Proper Noun

ANSWER

a

Question 618 : Google Translate is one of the _____ application.

1. Machine translation
2. Information Retrieval
3. Information Extraction
4. Information Generation

ANSWER

Machine translation



Question 619 : In the English language derivational morphemes can be...

1. Prefixes and Suffixes
2. Suffixes only
3. Infixes Only
4. Prefixes, Suffixes and Infixes

ANSWER

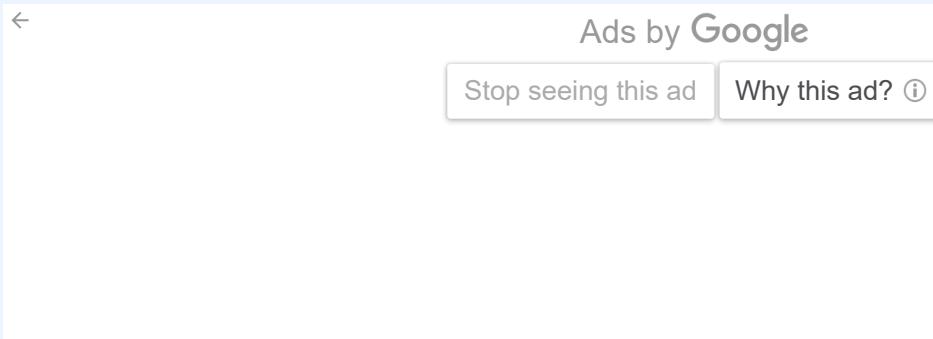
Prefixes and Suffixes

Question 620 : Assume a corpus with 350 tokens in it. We have 20 word types in that corpus ($V = 20$). The frequency (unigram count) of word types "short" and "fork" are 25 and 15 respectively. Which of the following is the probability of "short" ($\text{PMLE}(\text{"short"})$)?

1. 25/350
2. 26/370
3. 26/350
4. 25/370

ANSWER

25/350



Question 621 : Which is the most suitable tecnhique for finding " Trendning Topic on Twitter"?

1. Term Frequency
2. NER
3. Tokenization
4. Segmentation

ANSWER

a

Question 622 : What is the main challenge/s of NLP?

1. Handling Ambiguity of Sentences
2. Handling Tokenization
3. Handling POS-Tagging
4. parsing

ANSWER

Handling Ambiguity of Sentences



Question 623 : A list of place names, often providing millions of entries for locations with detailed geographical and political information is called as:

1. Encyclopaedia
2. Dictionary
3. Corpora
4. Gazetteer

ANSWER**Gazetteer**

Question 624 : Which of the following will be POS Tagger output when the input sentence is "They refuse to permit"

1. [('They', 'PRP'), ('refuse', 'VBP'), ('to', 'TO'), ('permit', 'VB')]
2. [('They', 'NN'), ('refuse', 'VBP'), ('to', 'TO'), ('permit', 'VB')]
3. [('They', 'PRP'), ('refuse', 'NN'), ('to', 'TO'), ('permit', 'VB')]
4. [('They', 'PRP'), ('refuse', 'VBP'), ('to', 'PRP'), ('permit', 'VB')]

ANSWER**a**

Question 625 : HMMs are limited to only _____ states and only take into account the last known _____.

1. Complete, Value
2. Unobserved, Variable
3. Hidden, Attribute
4. Discrete, State

ANSWER**Discrete, State**

Question 626 : Which Application Of Nlp Deals With Mapping Of Acoustic Speech Signal To A Set Of Words

1. Speech Recognition
2. Machine Translation
3. Speech Synthesis
4. Information Retrieval

ANSWER**Speech Recognition**

Question 627 : Economy is called a ___, a "higher level" term for hero and tata

1. Prototype
2. Experiencer
3. Superordinate terms
4. Superordinate



ANSWER

Question 628 : Semantic analysis doesn't consist

1. NER
2. WSD
3. NLG
4. IP

ANSWER**IP**

Question 629 : In filtration process

1. Special characters are removed from Devanagari script
2. Stop word are removed
3. Stemming is performed
4. Bottom up parser is applied

ANSWER**Stop word are removed**

Question 630 : Which of the following features can be used for accuracy improvement of a classification model?

1. Part of Speech Tag
2. Dependency Grammar
3. Vector Notation of sentence
4. Part of Speech Tag & Dependency Grammar & Vector Notation of sentence

ANSWER

Question 631 : How many trigrams phrases can be generated from the following sentence, after performing following text cleaning steps: Stopword Removal, Replacing punctuations by a single space? "#Coursera is a great platform to learn @Machine Learning."?

1. 3
2. 4
3. 5
4. 6

ANSWER**b**

Question 632 : Which Historical event is related to NLP

1. First World War
2. Second World War
3. American Revolution



4. French Revolution

ANSWER**Second World War**

Question 633 : Which of the following is an example of free morpheme?

1. un
2. ful
3. ly
4. town

ANSWER**d**

Question 634 : What Can Be Used To Disambiguate Word Senses

1. Selectional Restrictions
2. Independent Restrictions
3. No Restrictions
4. All Restrictions

ANSWER**Selectional Restrictions**

Question 635 : Which Application Of Nlp Deals With Creation Of Summaries Of Documents

1. Text Summarization
2. Question Answering
3. Information Extraction
4. Information Retrieval

ANSWER**Text Summarization**

Question 636 : Our interpretation of the "meaning" of the sign is not based solely on the ___, but on what we think the writer intended to communicate.

1. Anaphora
2. Words
3. Face
4. Context

ANSWER**Words**

Question 637 : ___ principle states that the meaning of the whole sentence is comprised of the meaning of its parts that is the meaning of the sentence can be composed from the meaning of its constituent words

1. hobs



- 2. porter
- 3. freg's
- 4. markov

ANSWER

Question 638 : Which is the correct order for preprocessing in Natural Language Processing?

- 1. tokenization->stemming->lemmatization
- 2. lemmatization->tokenization->stemming
- 3. stemming->tokenization->lemmatization
- 4. tokenization->lemmatization->stemming

ANSWER**tokenization->stemming->lemmatization**

Question 639 : In the sentence, "They bought a blue house", the underlined part is an example of ____.

- 1. Noun phrase
- 2. Verb phrase
- 3. Prepositional phrase
- 4. Adverbial phrase

ANSWER**Noun phrase**

Question 640 : Porter Stemmer has ____ rules

- 1. 3
- 2. 5
- 3. 7
- 4. 4

ANSWER**5**

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Question 641 : What does Fr[ea]nc[eh]\$ does not match?

- 1. France
- 2. Sino-French
- 3. Frence



4. Franc

ANSWER

Franc

Question 642 : *Hyponym is*

1. Parent node
2. Child node
3. Root node
4. Part of centre node

ANSWER

Root node

Question 643 : *When training a language model, if we use an overly narrow corpus, the probabilities*

1. Don't reflect the task
2. Reflect all possible wordings
3. Reflect intuition
4. Don't generalize

ANSWER

Don't generalize

Question 644 : *In text summarisation an _____ uses different words to describe the contents of the document.*

1. Abstract
2. Extract
3. Information
4. Prose

ANSWER

Abstract

Question 645 : *Which derivational prefixes does not change the category of word to which they are attached?*

1. Re- & -Un
2. -er
3. -ize
4. -ing

ANSWER

-ing

Question 646 : *"Innocent peacefully children sleep little" vs "Innocent little children sleep peacefully". Which stage of NLP helps to find proper ordering of sentences*

1. Morphology Analysis



2. Phonology Analysis
3. Semantics Analysis
4. Syntax Analysis

ANSWER**Syntax Analysis**

Question 647 : Which type of semantics is concerned with how words combine to form larger meanings

1. Compound Semantics
2. Compositional semantics
3. Lexical semantics
4. Word Semantics

ANSWER

Question 648 : X is a of Y if it denotes a part of Y

1. Meronym
2. Hyponym
3. Hyponyms
4. Hypernyms

ANSWER**a**

Question 649 : Performance metric for classifier doesn't include

1. Accuracy
2. Precision
3. Recall
4. Average

ANSWER

Question 650 : Nlp Is Concerned With The Interactions Between

1. Computers And Human (Natural) Languages.
2. Machine And Machine
3. Human And Machine
4. Both A) And B)

ANSWER**Computers And Human (Natural) Languages.**

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Question 651 : According to Austin, speech acts are direct when

1. the locutionary and perlocutionary acts coincide
2. the locutionary and illocutionary acts coincide
3. When no act coincide
4. the illocutionary and perlocutionary acts coincide

ANSWER

the locutionary and illocutionary acts coincide

Question 652 : Which of the following NLP tasks use sequential labeling technique?

1. POS tagging
2. Named Entity Recognition
3. Speech recognition
4. All of the above

ANSWER

All of the above

Question 653 : Computer Vs Computational Is An Example Of _____ Morphology.

1. Inflectional
2. Derivational
3. Cliticization
4. Information Retrieval

ANSWER

Derivational

Question 654 : Which of the following is merits of Context-Free Grammar?



1. simplest style of grammar
2. They are highly precise.
3. High speed
4. efficiency

ANSWER**simplest style of grammar**

Question 655 : *The dish is displayed on the screen. Here the type of ambiguity is*

1. Phonetic
2. Lexical
3. Structural
4. Semantic

ANSWER**Lexical**

Question 656 : *In which type of morphology, new words get created by changing part-of-speech. e.g. organise, organization, organizational*

1. Inflectional
2. Both derivation and inflectional
3. Semantic
4. Derivational

ANSWER**Derivational**

Question 657 : *Choose areas where NLP can not be useful.*

1. Automatic Text Summarization
2. Automatic Question-Answering Systems
3. Information Retrieval
4. X-Ray Analysis

ANSWER**X-Ray Analysis**

Question 658 : *When did first patent's for translating machine were applied for*

1. In the mid of 1930
2. at the end of 1930
3. In the begining of 1930
4. In the mid of 1931

ANSWER**In the mid of 1930**

Question 659 : *When gmail extracts only the data from the email received for you to add in your Google Calendar. This example denotes*



1. Information extraction
2. Information retrieval
3. Information Handling
4. Information Transformation

ANSWER**Information extraction**

Question 660 : Which Nlp Based System Can Read Out Your Mails On Telephone Or Even Read Out A Story Book For You

1. Speech Recognition
2. Machine Translation
3. Speech Synthesis
4. Information Retrieval

ANSWER**Speech Synthesis**

Question 661 : Which Data Structure Is Used To Give Better Heuristic Estimates?

1. Forwards State-Space
2. Backward State-Space
3. Planning Graph
4. Planning Graph Algorithm

ANSWER**Planning Graph Algorithm**

Question 662 : "The Cat flys" after applying which ngram gives the output as "The Cat", "Cat flys"

1. Unigram
2. Bigram
3. Trigram
4. Quadrigrams

ANSWER**Bigram**

Question 663 : ___ use hand-written rules to identify the correct tag

1. Stochastic POS tagging
2. Rule based POS tagging
3. Transformation based Tagging
4. Fuzzy logic based Tagging

ANSWER**Rule based POS tagging**

Question 664 : What is the role of NLP in recommendation engines like Collaborative Filtering?



1. Extracting features from text
2. Measuring semantic similarity
3. Constructing feature vector
4. All of the mentioned

ANSWER

Question 665 : _____ can specify the results of processes described by utterances in a discourse.

1. generics
2. one-anaphora
3. Inferrables
4. discontinuous sets

ANSWER

Question 666 : Google Translate is one of the _____ application.

1. Machine translation
2. Information Retrieval
3. Information Extraction
4. Summarisation

ANSWER**Machine translation**

Question 667 : " Bat is flying in the sky" Identify the dependency checking to perform sense disambiguation of 'Bat'

1. Batà sky
2. Skyà fly
3. Batà fly
4. Batà sky, fly

ANSWER

Question 668 : From a verb to a specific manner elaboration of that verb

1. Homonymy
2. Troponym
3. Polysemy
4. Metonymy

ANSWER

Question 669 : e.g. Original statement in speech is 'I saw a van' During speech to text conversion statement becomes "eye awe of an" Such type of error can be removed by

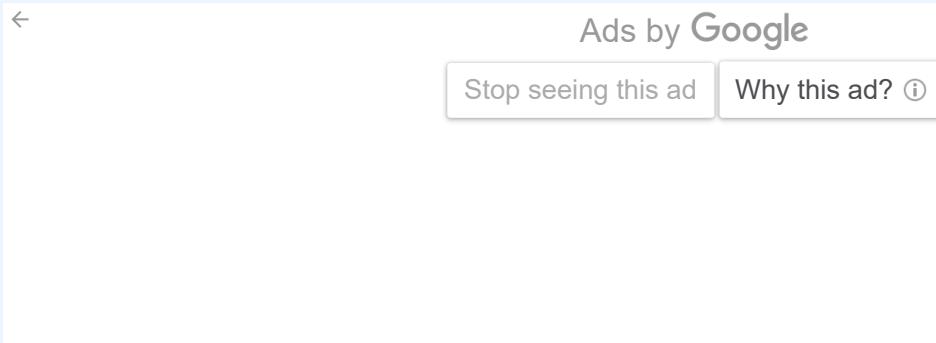


1. Parser
2. Tagger
3. N-gram
4. FST

ANSWER**N-gram**

Question 670 : Consider the CFG as defined: $X \rightarrow XY$, $X \rightarrow ax / bx / a$, $Y \rightarrow Ya / Yb / b$ Any string of terminals, which can be generated by the CFG

1. Has at least one b
2. Ends with a
3. Has no consecutive a's and b's
4. Has at least 2 a's.

ANSWER**Has at least 2 a's.**

Question 671 : What is the main challenge/s of NLP?

1. Handling Ambiguity of Sentences
2. Handling Tokenization
3. Handling POS-Tagging
4. Stemming

ANSWER**Handling Ambiguity of Sentences**

Question 672 : Which semantic relation exists between the words "piece" and "peace"?

1. Homophony
2. Homonymy
3. Hypernymy
4. Meronymy

ANSWER**a**

Question 673 : How to use WordNet to measure semantic relatedness between words:

1. Measure the shortest path between two words on WordNet



2. Count the number of shared parent nodes
3. Measure the difference between their depths in WordNet
4. Measure the difference between the size of child nodes they have.

ANSWER**Measure the difference between their depths in WordNet****Question 674 :** *This is not feature of binary machine learning classifier*

1. Length of the keyphrase
2. Frequency of the keyphrase
3. The most recurring word in keyphrase
4. Stemming

ANSWER**Stemming****Question 675 :** *To find relevance of word in a document technique used*

1. TF-IDF
2. Lemma
3. Tokenizer
4. Pos tagging

ANSWER**TF-IDF****Question 676 :** *Which Of The Following Will Be A Better Choice To Address Nlp Use Cases Such As Semantic Similarity, Reading Comprehension, And Common Sense Reasoning*

1. Elmo
2. Open Ai'S Gpt
3. Ulmfit
4. Gpt-2

ANSWER**Open Ai'S Gpt****Question 677 :** *In Nlp, The Process Of Identifying People, An Organization From A Given Sentence, Paragraph Is Called*

1. Stemming
2. Lemmatization
3. Stop Word Removal
4. Named Entity Recognition

ANSWER**Named Entity Recognition****Question 678 :** *Clock = digital - analog - alarm*

1. Polysemy
2. Meronymy
3. Hyponymy
4. Cline

ANSWER**Hyponymy**

Question 679 : *Natural language processing is divided in ____ feilds.*

1. 5
2. 6
3. 3
4. 2

ANSWER**5**

Question 680 : *Which of the following techniques can be used to compute similarity between two sentences in NLP?*

1. Lemmatization
2. Part of Speech Tagging
3. Cosine Similarity
4. N-grams

ANSWER**C**

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Question 681 : *In linguistic morphology _____ is the process for reducing inflected words to their root form.*

1. Rooting
2. Stemming
3. Text-Proofing
4. Both Rooting & Stemming

ANSWER**Stemming**

Question 682 : *How conditional probability rewrite in language model? $P(B | A) = P(A, B) / P(A)$*



1. $P(A, B) = P(A) P(B | A)$
2. $P(A, B) = P(A) P(A | B)$
3. $P(A, B) = P(B) P(B | A)$
4. $P(A) = P(A) P(B | A)$

ANSWER**P(A, B) = P(A) P(B | A)**

Question 683 : Given a sentence $S = "w1 w2 w3 \dots wn"$, to compute the likelihood of S using a bigram model. How would you compute the likelihood of S ?

1. Calculate the conditional probability of each word in the sentence given the preceding word and add the resulting numbers
2. Calculate the conditional probability of each word in the sentence given the preceding word and multiply the resulting numbers
3. Calculate the conditional probability of each word given all preceding words in a sentence and add the resulting numbers
4. Calculate the conditional probability of each word given all preceding words in a sentence and multiply the resulting numbers

ANSWER**Calculate the conditional probability of each word in the sentence given the preceding word and multiply the resulting numbers**

Question 684 : What Is Most Commonly Described As The Language Above The Sentence Level Or As 'Language In Use'

1. Discourse
2. Word Level Analysis
3. Semantic Analysis
4. Syntax Analysis

ANSWER**Discourse**

Question 685 : Consider the following sentences. "The horse ran up the hill. It was very steep. It soon got tired." What type of ambiguity is introduced due to the word "it"?

1. Syntactic
2. Pragmatics
3. Cataphoric
4. Anaphoric

ANSWER**d**

Question 686 : What is irony

1. Using language to signal attitude other than what has been literally said.
2. Using words that are context bound



3. A mixture of vague language and humour
4. The process of deriving implied meanings.

ANSWER

Using language to signal attitude other than what has been literally said.

Question 687 : In the sentence, "He ate the pizza", the **BOLD** part is an example of _____.

1. Noun phrase
2. Verb phrase
3. Prepositional phrase
4. Adverbial phrase

ANSWER

b

Question 688 : The study of how knowledge about the world and language conventions interact with literal meaning is called as _____.

1. Morphology
2. Discourse analysis
3. Co reference
4. Reference Resolution

ANSWER

Question 689 :are the entities that have been previously introduced into the discourse.

1. Anaphoras
2. Cataphoras
3. Pronouns
4. Determiners

ANSWER

a

Question 690 : Any question and answering system is classified into _____ and _____ types

1. Locked domain QAS, Unlocked Domain QAS
2. Easy Domain QAS, Difficult Domain QAS
3. Close Domain QAS , Open Domain QAS
4. Direct Domain QAS, Indirect Domain QAS

ANSWER

Question 691 : Reason for stop word removal

1. Stop word slow down processing
2. Stop word enhance speed of searching



3. Stop word removal programs are easily available
4. This is routine pre processing without any benefit

ANSWER**Stop word slow down processing****Question 692 : What Is Full Form Of Nlp?**

1. Natural Language Processing
2. Nature Language Processing
3. Natural Language Process
4. Natural Language Pages The Stage Of Nlp Were "Processing Of Sequence Of Sentences Is Done" Is Called As M

ANSWER**Natural Language Processing****Question 693 : Co-reference Resolution is –**

1. Anaphora Resolution
2. Given a sentence or larger chunk of text, determine which words ("mentions") refer to the same objects ("entities")
3. Counting frequency of define terms.
4. Notation of vector for every sentence.

ANSWER**Given a sentence or larger chunk of text, determine which words ("mentions") refer to the same objects ("entities")****Question 694 : Select one from following which is not a rule of language?**

1. Lexicalization
2. Morphology
3. Semantics
4. Phonology

ANSWER**-----****Question 695 : FST is used in ____ Analysis.**

1. Lexical
2. Morphological
3. Semantic
4. Syntactic

ANSWER**b****Question 696 : Discourse analysis is a part of _____.**

1. Semantic Analysis



2. Syntax Analysis
3. Pragmatics
4. Morphology

ANSWER

Question 697 : *Automatic text Summarization is not useful for*

1. Create short summary
2. Reducing reading time
3. Accelerate the research
4. Improves redundancy

ANSWER

Accelerate the research

Question 698 : *The process of assigning tags or categories to text according to its content is called*

1. Sentiment Analysis
2. Text Summarization
3. Information Retrieval
4. Text classification

ANSWER

Text classification

Question 699 : *In 1969 Roger schank introduced _____ dependency theory for NL understanding*

1. Conceptual
2. Bilateral
3. Trilateral
4. Textual

ANSWER

Conceptual

Question 700 : *"Buy books for children" which type of ambiguity exists in the above sentence?*

1. Semantic
2. Syntactic
3. Lexical
4. Pragmatic

ANSWER

b



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Question 701 : *The words that pronouns refer back to are called as _____.*

1. Antecedent
2. Context
3. Reference
4. Speech act

ANSWER

a

Question 702 : *A scheme where a weight is assigned to a term based upon the number of occurrences of the term within a document is called:*

1. Bag of Words
2. Document Frequency
3. Term Frequency
4. Optimal weight

ANSWER

Term Frequency

Question 703 : *Which of the following is efficient representation of text data?*

1. Bag of Word
2. TF-IDF
3. Word Vector
4. BERT

ANSWER

d



Question 704 : Which token of the following is lemmatized correctly by the rule given? (X) -sses ® -ss
(X) -ies ® -i (X) -ss ® -ss (X) -s ® ε

1. Buses
2. Dogs
3. Dog
4. Courses

ANSWER**Dogs**

Question 705 : Which of the below are NLP use cases?

1. Detecting objects from an image
2. Facial Recognition
3. Text Summarization
4. Speech Biometric

ANSWER**Text Summarization**

Question 706 : In the word "desirability" how many morpheme is present

1. One
2. Two
3. Three
4. Four

ANSWER**Three**

Question 707 : Stemming for the word cries is _____

1. cry
2. cries
3. cri
4. ies

ANSWER**cri**

Question 708 : The joint probability can be calculated using the _____

1. conditional probability
2. probability
3. sentence
4. word

ANSWER**probability**

Question 709 : *Classifying email as a spam, labelling WebPages based on their content, voice recognition are the example of _____.*

1. Supervised learning
2. Unsupervised learning
3. Machine learning
4. Deep learning

ANSWER**Supervised learning**

Question 710 : _____ can also specify the results of processes described by utterances in a discourse.

1. Pronouns
2. demonstratives
3. generics
4. inferables

ANSWER

Question 711 : Quora is an example of which type of question answering system

1. Close
2. Open
3. Sub
4. Aspect

ANSWER

Question 712 : Class of methods that induces a classifier from manually sense-tagged text using machine learning techniques.

1. Supervised WSD
2. unsupervised WSD
3. Semi-supervised WSD
4. Normal WSD

ANSWER

Question 713 : What is morpheme?

1. Set of words with grammar.
2. Smallest linguistic unit with grammatical function.
3. Set of rules.
4. Smallest sentence with syntax.

ANSWER**Smallest linguistic unit with grammatical function.**

Question 714 : Same Word Can Have Multiple Word Embeddings Possible With _____?

1. Glove
2. Word2Vec
3. Elmo
4. Nltk

ANSWER

Elmo

Question 715 : The statement "Which mobiles can you show me in your shop?" can be represented as

1. N->Wh-NP Aux NP VP
2. S->Wh-NP Aux NP NP
3. S->Wh-VP Aux NP VP
4. S->Wh-NP Aux NP VP

ANSWER

S->Wh-VP Aux NP VP

Question 716 : _____ is a process of assigning corresponding part of speech like noun, verb, adverb, adjective, verb to each word in a sentence.

1. Part of speech tagging
2. Name entity tagging
3. Parsing
4. Disambiguation

ANSWER

Part of speech tagging

Question 717 : Has the coexistence of many possible related meanings for a word or phrase

1. Hyponymy
2. Polysemy
3. Clines
4. Contronyms

ANSWER

Polysemy

Question 718 : In Reference Resolution the entity that is referred is called as _____ .

1. corefer
2. referent
3. anaphora
4. subject

ANSWER



Question 719 : Push down automata accepts which language?

1. Context sensitive language
2. Context free language
3. Recursive language
4. Context Recursive language

ANSWER

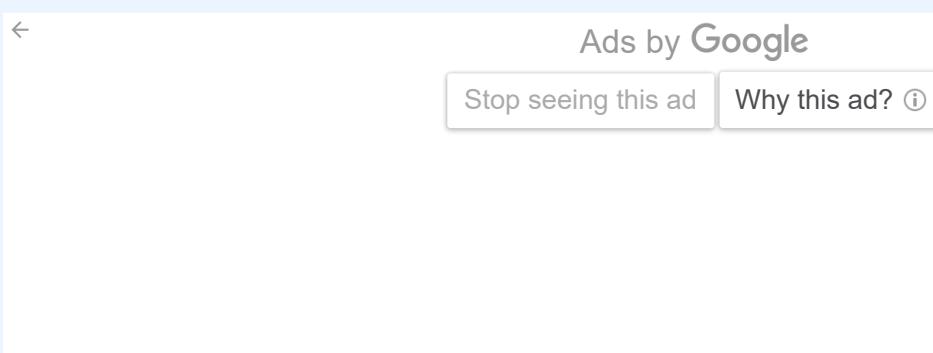
Context free language

Question 720 : Deciding Insurance premium of a car based on online customers reviews is an application of _____.

1. Information Retrieval
2. Information Extraction
3. Sentiment Analysis
4. Text Summarization

ANSWER

C



Question 721 : which one of the following is not Tools/Techniques that can be used with sentiment analysis

1. SentiWordNet
2. Latent semantic analysis
3. Latent semantic analysis
4. Abstractive analysis

ANSWER

Abstractive analysis

Question 722 : CFG consist of

1. Set of rules
2. Set of productions
3. Order of elements
4. rules ,productions,order of element

ANSWER

rules ,productions,order of element



Question 723 : Assume That There Are 0000 Documents In A Collection. Out Of These, 50 Documents Contain The Terms "Difficult Task". If "Difficult Task" Appears Times In A Particular Document, What Is The TfIdf Value Of The Terms For That Document?

- 1. 8.11
- 2. 15.87
- 3. Zero
- 4. 81.1

ANSWER**15.87**

Question 724 : It is not part of text summarization on the basis of purpose

- 1. Generic
- 2. Domain-specific
- 3. Query based
- 4. Single document

ANSWER**Single document**

Question 725 : Define pragmatics

- 1. A subfield of linguistics and semiotics that studies the ways in which context contributes to meaning.
- 2. Features that appear when we put sounds together in connected speech.
- 3. Some definitions limit this to verbal communication that is not words.
- 4. The process of syntax checking

ANSWER**-----**

Question 726 : "Linear sequences of words are transformed into structure that show how the words are related to each other " is the part of ____ Analysis.

- 1. Semantic
- 2. Syntactic
- 3. Lexical
- 4. Pragmatic

ANSWER**b**

Question 727 : Which of these does not belong to CFG?

- 1. Terminal Symbol
- 2. Non terminal Symbol
- 3. Start symbol
- 4. End Symbol



ANSWER**End Symbol**

Question 728 : Words 's', 'ly', 'er', 'ed' are examples of which morpheme

1. Prefix
2. Bound
3. Free
4. Suffix(eg- clears, clearly, clearer, cleared)

ANSWER**Suffix(eg- clears, clearly, clearer, cleared)**

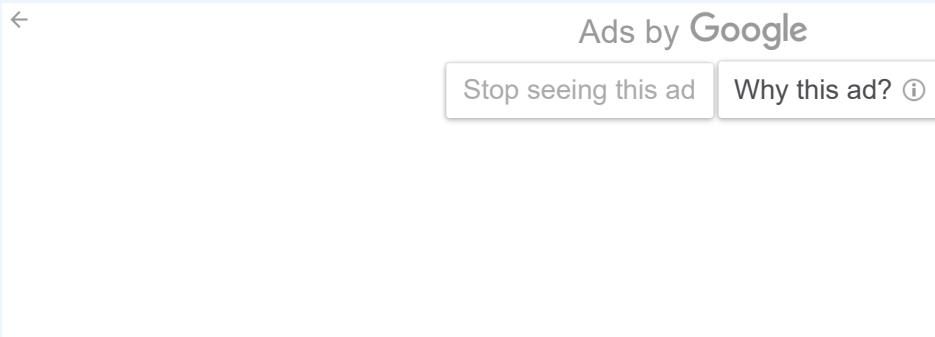
Question 729 : Which Of The Following Best Describes Grammar Induction?

1. Supervised Learning Problem
2. Conditional Random Field Problem
3. Maximum-A-Posteriori (Map) Estimation Problem
4. Unsupervised Learning Problem

ANSWER**Unsupervised Learning Problem**

Question 730 : Many words have more than one meaning; we have to select the meaning which makes the most sense in context. This can be resolved by _____

1. Fuzzy Logic
2. Word Sense Disambiguation
3. Shallow Semantic Analysis
4. All of the mentioned

ANSWER**Word Sense Disambiguation**

Question 731 : Which phrases are examples of anaphora in the following passage? Now let us fight to fulfil that promise! Let us fight to free the world - to do away with national barriers - to do away with greed, with hate and intolerance. Let us fight for a world of reason, a world where science and progress will lead to all men's happiness.

1. let us fight
2. to do away with
3. all men's happiness



4. both let us fight and to do away with

ANSWER

both let us fight and to do away with

Question 732 : _____ System consists of collection of grammar rules, dictionary, and software programs to process the rules.

1. Direct translation
2. Knowledge based Machine Translation
3. Rule based translation
4. Example Based translation

ANSWER

Question 733 : Which Technique Can Modify Root To A Word Of A Different Class

1. Derivational Morphology
2. Word Sense Disambiguity
3. Entropy
4. Semantics

ANSWER

Derivational Morphology

Question 734 : The effectiveness of an SVM depends upon:

1. Selection of Kernel
2. Kernel Parameters
3. Soft Margin Parameter C
4. Selection of Kernel & Kernel Parameters & Soft Margin Parameter C

ANSWER

Selection of Kernel & Kernel Parameters & Soft Margin Parameter C

Question 735 : How is the term "prototype" used in semantics?

1. The prototype is the characteristic instance of a category, as in the case of "robin" being the clearest example, or prototype, of the category "bird" for many American English speakers.
2. syntax; semantics; pragmatics
3. antonyms; gradable and non-gradable
4. a) The verb drink requires a subject with the feature [+animate] and the noun television has the feature [-animate]. b) The verb write requires a subject with the feature [+human] and the noun dog has the feature [-human].

ANSWER

The prototype is the characteristic instance of a category, as in the case of "robin" being the clearest example, or prototype, of the category "bird" for many American English speakers.



Question 736 : In linguistic morphology _____ is the process for reducing inflected words to their root form.

1. Rooting
2. Stemming
3. Text-Proofing
4. Both Rooting & Stemming

ANSWER**Stemming**

Question 737 : $S \rightarrow NP\ VP \{DCL(NP.sem(VP.sem))\}$

1. Imperative statement
2. Declarative statement
3. Yes or No Question
4. Wh questions like who which etc

ANSWER**Declarative statement**

Question 738 : Most tagging algorithms fall into one of two classes _____ & _____

1. Rule based tagger, Stochastic tagger
2. Graph based tagger, Stochastic tagger
3. Rule based tagger, semantic tagger
4. Pragmatic tagger, Stochastic tagger

ANSWER**Rule based tagger, Stochastic tagger**

Question 739 : Natural Language Processing can be divided into two subfields of

1. syntax and semantics
2. generation and understanding
3. derivation and inflection
4. text and speech

ANSWER**generation and understanding**

Question 740 : How many different lexemes are there in the following list? man, men, girls, girl, mouse

1. 1
2. 2
3. 3
4. 4

ANSWER**3**



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Question 741 : *The ratio of observed frequency of a particular sequence to the observed frequency of a prefix is:*

1. Normalized Frequency
2. Relative Frequency
3. Maximum Likelihood Estimation
4. Markov Frequency

ANSWER**Relative Frequency**

Question 742 : *Knowledge of the relationship of meaning to the goals and intentions of the speaker is*

1. Morphology
2. Semantics
3. Pragmatics
4. Discourse

ANSWER**Pragmatics**

Question 743 : *While Working With Text Data Obtained From News Sentences, Which Are Structured In Nature, Which Of The Grammar-Based Text Parsing Techniques Can Be Used For Noun Phrase Detection, Verb Phrase Detection, Subject Detection And Object Detection.*

1. Part Of Speech Tagging
2. Dependency Parsing And Constituency Parsing
3. Skip Gram And N-Gram Extraction
4. Continuous Bag Of Words

ANSWER**Dependency Parsing And Constituency Parsing**

Question 744 : *In the case of Search Engine Optimization, NLP technique can be used*

1. Machine Translation
2. Question Answering System
3. Text summarization
4. Sentiment Analysis

ANSWER

c

Question 745 : Which is not an example of stop word?

1. a
2. is
3. an
4. good

ANSWER**d**

Question 746 : It uses statistical methods to resolve some of the difficulties in symbolic approach. It does this by harnessing various mathematical techniques and often using large text corpora to develop approximately generalized models of linguistic phenomena based on actual examples.

1. Convolutional Neural Networks
2. Rule based Approach
3. Corpus based.
4. Statistical Approach

ANSWER**Statistical Approach**

Question 747 : In the sentence " I made her duck." Here the word "make" is

1. semantically ambiguous
2. syntactically ambiguous
3. morphologically ambiguous
4. not ambiguous

ANSWER**syntactically ambiguous**

Question 748 : What do you by Sequence Learning?

1. Sequence learning is a method of only teaching in a logical manner
2. Sequence learning is a method of teaching and learning in a logical manner.
3. All of the mentioned
4. None of the mentioned

ANSWER**-----**

Question 749 : Who is the father of NLP?

1. Enjamin Bandler
2. Richard Bandler
3. Elijah Bandler
4. Jon Bandler



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Question 751 : *The bigram model approximates the probability of a word given all the previous words by using:*

1. The conditional probability of all the previous words
2. The maximum likelihood estimation of the given word
3. Only the conditional probability of the preceding word
4. The maximum likelihood estimation of the preceding word

ANSWER

Only the conditional probability of the preceding word

Question 752 : *Consider the following corpus of 3 sentences. 1) I am here 2) who am I. 3) I would like to go. Calculate $P(\text{here}|\text{am})$ assuming a bi-gram language model.*

1. 02-03-2020 12:00:00 AM
2. 1
3. 01-02-2020 12:00:00 AM
4. 01-03-2020 12:00:00 AM

ANSWER

C

Question 753 : *"I went to the school, and they told me come on next day". What type of ambiguity present in the given sentence?*

1. Syntactic ambiguity
2. Anaphoric ambiguity
3. Semantic ambiguity
4. Lexical ambiguity

ANSWER

Anaphoric ambiguity



Question 754 : Which of the following is/are the input(s) to k-means algorithm?

1. Number of clusters
2. Class labels
3. Distance metric
4. Number of centroids

ANSWER**Number of centroids**

Question 755 : _____ Reverses the antecedent-anaphora relationship by beginning with a pronoun, then later revealing more specific information

1. Anaphora
2. Contextual
3. Context
4. Cataphora

ANSWER**Cataphora**

Question 756 : What are the possible input of an NLP system?

1. Speech and noise
2. Speech ,scan document and Written Text
3. Noise and Written Text
4. Noise and value

ANSWER**Speech ,scan document and Written Text**

Question 757 : Capability vs Capabilities is an example of _____ morphology.

1. Inflectional
2. Normalization
3. Cliticization
4. Derivational

ANSWER**d**

Question 758 : It is a process of generating a concise and meaningful summary of text from multiple text resources such as books, news articles,blog posts, research papers, emails, and tweets.

1. Automatic Summerization
2. Insertion
3. Updation
4. Extraction

ANSWER**Automatic Summerization**

Question 759 : *Spam email detection comes under which domain?*

1. Text Categorization
2. NER
3. Text Classification
4. Sentiment Analysis

ANSWER

C

Question 760 : *For e.g. "Before she purchased it, Mary checked warranty card of the product". In the context of pronoun, this is the example of*

1. Cataphora
2. Bound
3. Free
4. Random

ANSWER

Question 761 : *"The tour includes three Asian countries." Which is a noun phrase?*

1. The tour includes
2. three Asian countries
3. Three asian
4. Tour includes

ANSWER

three Asian countries

Question 762 : *The Context Of A Word Provides Useful Information About Word Sense. Which Algorithms Can Be Broadly Classified Into Knowledge-Based And Corpus-Based Approaches*

1. Context-Based Disambiguation
2. Context-Free Grammar
3. Regular Expressions
4. Context-Based Ambiguation

ANSWER

Context-Based Disambiguation

Question 763 : *What type of relation exist between the words "meet" and "meat"?*

1. Homophones
2. Hyponym
3. Co-hyponyms
4. Homonyms

ANSWER

a



Question 764 : What is Morphological Segmentation?

1. Does Discourse Analysis
2. Separate words into individual morphemes and identify the class of the morphemes
3. Is an extension of propositional logic
4. Separate sentences into individual morphemes and identify the class of the morphemes

ANSWER**Separate words into individual morphemes and identify the class of the morphemes****Question 765 : Semantic model is not used for**

1. The meaning of words
2. Knowledge about structure of discourse
3. Common sense knowledge about the topic
4. POS tag of word

ANSWER**POS tag of word****Question 766 : In A Corpus Of N Documents, One Randomly Chosen Document Contains A Total Of T Terms And The Term "Hello" Appears K Times. What Is The Correct Value For The Product Of Tf (Term Frequency) And Idf (Inverse-Document-Frequency), If The Term "Hello" Appears In Approximately One-Third Of The Total Documents?**

1. $Kt * \log(3)$
2. $T * \log(3) / K$
3. $K * \log(3) / T$
4. $\log(3) / Kt$

ANSWER **$K * \log(3) / T$** **Question 767 : Which type of semantics is concerned with the linguistic study of systematic, meaning related structure of words or lexemes**

1. Compound Semantics
2. Lexical semantics
3. Compositional semantics
4. Word Semantics

ANSWER**Lexical semantics****Question 768 : What is a difference between Finite State Automata (FSA) and Finite State Transducers (FST)?**

1. FSA contain single tape and FST also contain single tape.
2. FSA contain single input tape and FST contain single output tape.
3. FSA contain single input tape and FST contain input: output pair tapes.



4. Both FSA and FST contains output tapes only.

ANSWER

FSA contain single input tape and FST contain input: output pair tapes.

Question 769 : Anita has got the transcripts for the Minister's press meet on NEP. She wants to summarize the Minister's opinion on NEP strengths and weakness. Which of the following summarization methods should she apply?

1. Abstractive generic
2. Extractive generic
3. Abstractive query focussed
4. Summative generic

ANSWER

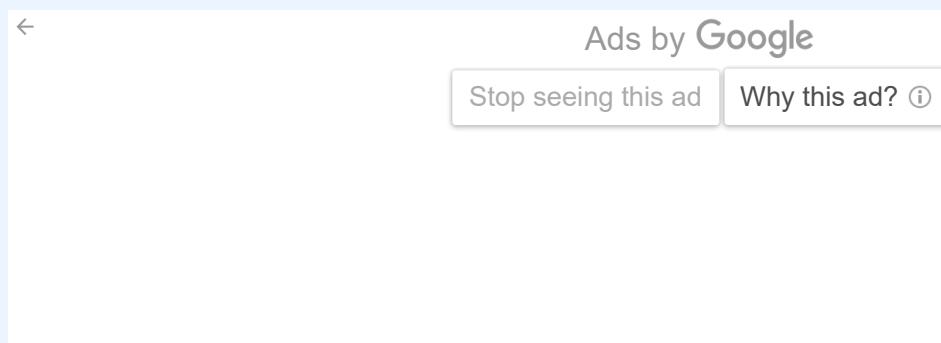
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Question 770 : Maximum Entropy Markov Model (MEMM) used to handle _____

1. Unknown word
2. Known word
3. Multiple tag
4. Single tag word

ANSWER

Multiple tag



Question 771 : What is tokenization?

1. Breaking sentences into words
2. Creating a set of dictionaries
3. Removing repetition
4. printing words

ANSWER

Breaking sentences into words

Question 772 : Humhe khaanna khaanna hai. Here the type of ambiguity is

1. Phonetic
2. Lexical
3. Structural



4. Semantic

ANSWER**Semantic**

Question 773 : Maximum Entropy Markov Models use a maximum entropy _____ for _____ and local _____.

1. Framework, Features, Normalization
2. Rules, Variables, Classification
3. Sets, Values, Distribution
4. Rules, features, classification

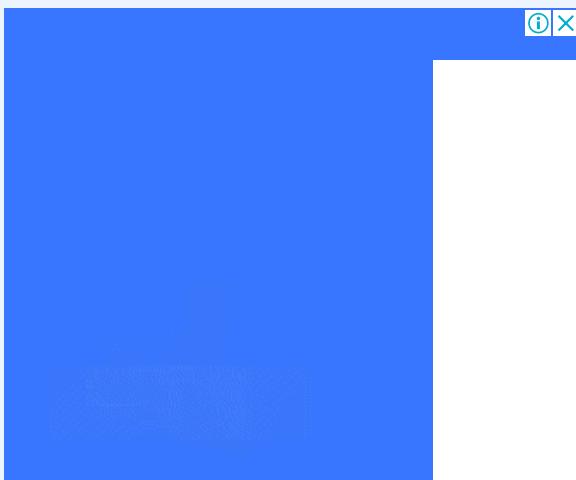
ANSWER**Framework, Features, Normalization**

Question 774 : How is the word "consultants" stemmed?

1. consultant
2. consult
3. consul
4. consultants

ANSWER**b**

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