**D:\exam01\logo_red.pngVISHNU INSTITUTE OF TECHNOLOGY (AUTONOMOUS)**

**VISHNUPUR: BHIMAVARAM**

**Mid-I Examinations**

**Natural Language Processing OBJECTIVE BITS**

BRANCH : AIML and AI&DS DATE:

YAR/SEM : III B. Tech. II Semester TIME:

*Answer all of the following .Each carries ½ Marks. Max. Marks: 10*

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| 1. | What is the field of Natural Language Processing (NLP)?  A) Computer Science C) Artificial Intelligence. B) Linguistics D) All of the mentioned | [ ] |
| 2. | NLP is concerned with the interactions between computers and human (natural) languages.  A) True B) False C) Can’t say D) None | [ ] |
| 3. | What is the main challenge/s of NLP?  A) Handling Tokenization C) Handling Ambiguity of Sentences  B) Handling POS-Tagging D) All the above | [ ] |
| 4. | Which of the following includes major tasks of NLP?  A) Automatic Summarization  B) Discourse Analysis  C) Machine Translation  D) All of the mentioned. | [ ] |
| 5. | Consider the sentence “Horse ran up the hill. It was very steep. It soon got tired “. Identify the type of ambiguity.  A) Syntactic C) Cataphoric  B) Pragmatics D) Anaphoric | [ ] |
| 6. | What is morphological segmentation?  A) Does Discourse Analysis C) Extension of proportional logic  B) Separate words into individual morphemes D) None | [ ] |
| 7. | Given a stream of text, Named Entity Recognition determines which pronoun maps to which noun  A) False B) True C) Can’t say D) None | [ ] |
| 8. | In linguistic morphology ------------- is the process for reducing inflected words to their root form  A) Rooting C ) Text-Proofing  B) Stemming D) Both Rooting & Stemming | [ ] |
| 9. | What is full form of NLG?  A) Natural Language Genes C) Natural Language Growth  B) Natural Language Generation D) Natural Language Generator | [ ] |
| 10. | The process of understanding the meaning and interpretation of words, signs and sentence structure is called as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  A) Semantic C) Lexical Analysis  B) Tokenization D) Sentiment | [ ] |

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| 11. | Which NLP based system can read out your mails on telephone or even read out a story book for you.  A) Speech Recognition C) Speech Synthesis  B) Machine Translation D) Information Retrieval | [ ] |
| 12. | Text summarization is ------- learning approach  A) Unsupervised C) Supervised  B) Semi supervised D) Reinforcement | [ ] |
| 13. | When did first patents for translating machine were applied for  A) Mid of 1930 C) Beginning of 1930  B) End of 1930 D) Mid of 1931 | [ ] |
| 14. | Modern NLP algorithms are based on machine learning, especially statistical machine learning.   1. True B) False |  |
| 15. | What is Machine Translation?  A) Converts one human language to another  B) Converts human language to machine language  C) Converts any human language to English  D) Converts Machine language to human language | [ ] |
| 16. | NLG is the main task of NLP  A) True B) False | [ ] |
| 17. | 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  A) Fuzzy Logic C) Shallow Semantic Analysis  B) Word Sense Disambiguation D) All of the mentioned | [ ] |
| 18. | A context free grammar is a \_\_\_\_\_\_\_\_\_\_\_  A) English grammar C) Context sensitive grammar  B) Regular grammar D) Left linear grammar | [ ] |
| 19 | Study of the meaning of words that are associated with grammatical structure is known as ---  A) Morphology B) Phonology C) Semology D) Reasoning | [ ] |
| 20. | -------- it is also known as the parsing  A) Lexical analysis C) Pragmatic analysis  B) Syntactic analysis D) Semantic analysis | [ ] |
| 21. | How many steps of NLP is there?  A) 3 B) 4 C) 5 D) 6 | [ ] |
| 22. | Which of the below are NLP use cases?  A) ELmo C) Ulmfit  B) Open AI GPT D) GPT-2 | [ ] |
| 23. | Choose form the following areas where NLP can be useful.  A) Automatic Text Summarization C)  Information Retrieval  B) Automatic Question-Answering Systems D) All the above | [ ] |
| 24. | NLTK stands for ------------- and used for  A) Natural Language Toolkit C) Natural Language Technique  B) Natural Language Technology D) Natural Language Tokenization Kit | [ ] |

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| 25. | A CFG consist of  A) Set of Non terminals  B) Start Symbol  C) Set of terminals D) All of these | [ ] |
| 26. | Google Translate is one of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ applications  A) Machine translation  B). Information Retrieval  C) Information Extraction  D) Summarization | [ ] |
| 27. | When gmail extracts only the data from the email received for you to add in your google calendar. This example denotes  A)Information extraction C) Information Handling  B) Information retrieval D)Information Transformation | [ ] |
| 28. | Which semantic relation exists between the words “piece” and “peace”?  A) Homophony C) Homonymy  B) Hypernymy D) Meronymy | [ ] |
| 29. | In NLP, The Process Of Identifying People, An Organization From A Given Sentence, Paragraph Is Called  A) Stemming C) Stop word removal  B) Lemmatization D) Named Entity Recognition | [ ] |
| 30. | Finite automata is called NFA when there is ------for specific input from current state to next state.  A) single path C) Multiple paths  B) No path D) Only two paths | [ ] |
| 31. | OCR uses NLP  A) True  B) False | [ ] |
| 32. | Given a sound clip if a person or people speaking, determine the textual representation of the speech  A) Text-to-speech C) All of the mentioned  B) Speech-to-text D) None | [ ] |
| 33. | Speech segmentation is a subtask of speech recognition  A) True  B) False | [ ] |
| 34. | Which among the following is one of the stages in NLP pipeline?  A) Sentiment Analysis C) Spell Checking  B) Tokenization D) Syntax Analysis | [ ] |
| 35. | “I saw bats” contains which type of ambiguity?  A) Syntactic C) Lexical  B) Semantic D) Anaphoric | [ ] |

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| 36. | “sita loves her mother and Gita does too” contain which type of ambiguity?   1. Syntactic 2. Semantic 3. Lexical 4. Anaphoric |  |
| 37. | In which of the following stages of NLP, does one draws parse tree?  A) Morphological  B) Syntactic  C) Semantic  D) Pragmatic | [ ] |
| 38. | Which of the following NLP tasks use sequential labeling technique*?*  A) POS Tagging C) Speech recognition  B) Named Entity Recognition D) All of the above | [ ] |
| 39. | Computer Vs Computational Is An Example Of \_\_\_\_\_\_ Morphology.   1. Inflectional 2. Derivational 3. Cliticization 4. Information Retrieval | [ ] |
| 40. | 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 | [ ] |