



# BVRIT HYDERABAD College of Engineering for Women

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Bachupally, Hyderabad-090

Department of Computer Science and Engineering

## Multiple Choice Questions

Year : III Semester : I Regulations : R18  
Course Code : Course : Natural Language Processing  
Academic Year : 2022-23 Name  
Faculty : Ms.S.Vidyullatha  
Name(s)

UNIT-IV: Predicate-Argument Structure, Meaning Representation Systems, Software.		
S.No	Question	Answer
1	Which one of the following is linearly inseparable? a. NAND b. NOR c. Compliment of XOR d. None of the above	C
2	A sigmoid function squashes the values in the range of [01] a. True b. False	A
3	_____ is a machine learning approach that's defined by its use of labeled datasets. a) Unsupervised b) Semi-supervised c) Reinforcement d) Supervised a.	D
4	What is the height of the balanced binary tree. if the vocabulary size is 128? a. 64 b. 32 c. 7 d. None of the above	C
5	The statement "Hierarchical Softmax does not provide a unique path to each word in the vocabulary" is a. True	B

	b. False	
6	In the hierarchical Softmax model, the ANN learns the probabilistic decisions at every node. Is the statement true? a. True b. False	A
7	_____ contains frame specific semantic annotation of a number of predicates in English. a) Word Net b) Lex Net c) Frame Net d) None of the Above	C
8	Is the statement "Hierarchical Softmax increases the computation complexity when compared to Softmax" true? a. True b. False	B
9	The RNN imposes a constraint on the length of the input of words. Is the above statement correct? a. Yes b. No	B
10	What is the most important architectural change introduced in the recurrent neural network? a. Multiple hidden layers b. Word embedding as input c. Hierarchical Softmax layer d. State vector	D
11	_____ is the syntactic head of the phrase. a) Content Word b) Head Word c) Noun word d) None	B
12	PropBank is also known as _____ a. Preposition Bank b. Proposition Bank c. Predicate Bank d. None	B
13	In phrase-based translation, the whole sentence could be considered as a phrase a. True b. False	B
14	The process of symmetrization made "many to one" and "one to many" alignments possible a. True b. False	A
15	A _____ specifies a relationship between objects. a. Predicate b. Argument c. Identification d. Entity	A

16	A predicate and its arguments form a _____. a.Argument b.Identification c.Structure d.Predicate-argument Structure	D
17	The encoder and decoder are trained independently a. True b. False	B
18	In the global attention model, the decoder selectively learns to align words a. True b. False	B
19	. In the attention model (global and local), the attention a. True b. False	B
20	Sequence-to-sequence translation represents a conditional language model a. True b. False	A
21	Beam search is a greedy search algorithm a. True b. False	B
22	Beam search guarantees the best translation for SMT and NMT a. True b. False	B
23	Which of the following is Morphological Segmentation? (A). Does Discourse Analysis (B). Separate words into individual morphemes and recognize the class of the morphemes (C). Is an extension of propositional logic (D). None of these (E). None of these	B
24	NATURAL LANGUAGE PROCESSING is concerned with the interactions between computers and human languages. (A). True (B). False (C). Partially true	A
25	Which of the following is Coreference Resolution? (A). Anaphora Resolution (B). Given a sentence or bigger chunk of text, and deciding which words (“mentions”) refer to the same objects (“entities”). (C). All of these (D). None of these (E). None of these	B
26	Which of the following is the main challenge of NATURAL LANGUAGE PROCESSING? (A). Handling Ambiguity of Sentences (B). Handling Tokenization	A

	(C). Handling POS-Tagging (D). All of these (E). None of these	
27	Which of the following involves the key tasks of NATURAL LANGUAGE PROCESSING? (A). Automatic Summarization (B). Discourse Analysis (C). Machine Translation (D). All of these (E). None of these	D
28	Modern NATURAL LANGUAGE PROCESSING algorithms are based on machine learning, specifically statistical machine learning. (A). True (B). False (C). Partially true	A
29	Choose from the following areas where NATURAL LANGUAGE PROCESSING can be helpful. (A). Automatic Text Summarization (B). Automatic Question Answering Systems (C). Information Retrieval (D). All of these (E). None of these	D
30	Machine Translation is the conversion of? (A). one human language to another (B). human language to machine language (C). any human language to English (D). Machine language to human language (E). None of these	A