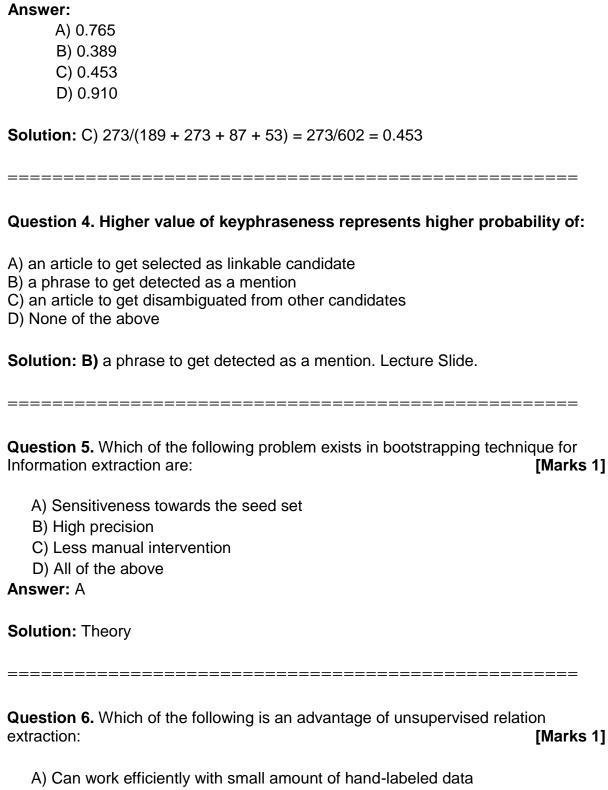
## Natural Language Processing

## Assignment 10

Type of Question: MCQ

Number	of Questions: 10	Total Marks:(10×1)= 10
E (	I. Common Steps of entity linking are - A) Reference Disambiguation -> Candidate B) Reference Disambiguation -> Candidate C) Mention Identify -> Candidate Selection D) All of the above	e Selection -> Mention Identify
Answer: C		[marko r]
Solution:	Γheory. Slide 7; Lecture 1, Week 10 (Entity	Linking 1).
Question 2	2. The text span s="world" occurs in 764 di	fferent Wikipedia articles.
Calculate t	c1 189 c2 273 c3 87 c4 53 No Link 162 ne keyphraseness of "world". <b>[Marks 1]</b>	
C) 0 D) 0 Solution: E	.788 .688 .976	4 = 0.788
====== Question 3 [Marks 1]	======================================	above question?



- B) Not easily generalizable to different relations
- C) Need training data.
- D) Always perform better than supervised techniques.
- E) None of the above

Answer: E

Solution: Theory
Question 7. Which of the following is/are a Hearst's Lexico Syntactic Patterns for automatic acquisition of hyponyms - A) X or other Y B) X and other Y C) Y including X D) X but not Y
[Marks 1] Answer: A, B, C
Solution: Theory. Lecture Video 48: Information Extraction - Introduction, Week 10, Lecture 3 - Slide 15/18.
Question 8. Advantage of Distant supervision over bootstrapping method
A) Need more data B) Less human effort C) Can handle noisy data better D) No Advantage  [Marks 1]
Answer: C
Solution: Theory
Question 9. Consider a dataset with a very low number of relations - all of which are very important. For a relation extraction task on that dataset, which of the following is the most useful metric  A) Precision  B) Recall
C) Accuracy D) F1-Score  [Marks 1]
Answer: B Solution: Theory

## Question 10. Bootstrapping can be considered as

- A) Supervised Approach
- B) Unsupervised Approach
- C) Semi-supervised Approach
- D) All of the above
- E) None of the above

[Marks 1]

Answer: C

**Solution:** Theory. Slide => Relation Extraction, Slide - 2/17, Week4, Lecture 10.

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