

7.1 RAT

1. Which of the following steps is **least likely** to be associated with the IR-based Factoid method for Question Answer? (Select one.)
 - a) Examine the query to understand what kind of NER to retrieve.
 - b) Re-index the documents once NER has been conducted on the query.
 - c) Collect all candidate documents which might contain the answer and rank those documents based upon various metrics.
 - d) Using external sources to rank candidate answers after they have been extracted from the document.

2. Which of the following is **not** a common coarse class for answer taxonomy?
 - a) LOCATION
 - b) HUMAN
 - c) SALUTATION
 - d) ENTITY

3. If a system only returns 1 answer, which evaluation metric would be most appropriate?
 - a) MRR
 - b) Accuracy

4. Calculate the total MRR for the following results.

$$MRR = \frac{\sum_{i=1}^N \frac{1}{\text{rank}_i}}{N}$$

Query	Results	Correct response
cat	catten, cati, cats	cats
torus	torii, tori , toruses	tori
virus	viruses , virii, viri	viruses