Assignment 10

The due date for submitting this assignment has passed. 
As per your records you have not submitted this assignment.

1) In the encoder, the fixed-length vector at the output represents
   - Real vector
   - Encoding of the input sentence
   - Translation of the sentence
   - Softmax containing the probability score of all words in the vocabulary
   No, the answer is incorrect. 
   Accepted Answers: 
   Encoding of the input sentence

2) The encoder and decoder are trained independently
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers: False

3) In the global attention model, the decoder selectively learns to align words
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers: False

4) In the attention model (global and local), the attention
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers: False

5) Sequence-to-sequence translation represents a conditional language model
   - True
   - False
   Accepted Answers: True

6) What is true about the attention-based NMT?
   - Alignments are not trained as part of the training
   - Allow the decoder to focus on specific parts of the input sentence
   - BLEU scores could be higher in terms of % compared to non-attention based NMT models
   - Is a deep learning technique
   No, the answer is incorrect.
   Accepted Answers: 
   No, the answer is incorrect.
   Accepted Answers: False

7) Beam search is a greedy search algorithm
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers: False

8) Beam search guarantees the best translation for MT and NMT
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers: False

9) The beam search (pre-alignment) was terminated after 1 at a specified step and score for each partial translation is given. What is the top scoring hypothesis?

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Beam Size = 2
Score = \sum_{j=1}^{k} \log P(y_j | <SOS>, y_1, ..., y_{j-1}, X)
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- she goes to school from home
- she goes to school from apartment
- she goes to school to study
- No, the answer is incorrect.
   Accepted Answers: 
   she goes to school to study

Tutorial: Translation With a Sequence to Sequence Network and Attention by Sean Robertson | Link