Natural Language Processing
Assignment- 12
TYPE OF QUESTION: MCQ

Number of questions: **8** [Question 4,6 carries two marks]   **Total mark: 6 X 1+2*2 = 10**

Question 1: The word 'nervous' and 'jealous' falls under which affective state typology?

1. Emotion
2. Mood
3. Personality traits
4. Interpersonal stances

Answer: 3

Solution: Refer lecture 56

Question2: Which of the following is/are tokenization issues for Sentiment Analysis?

1. Handling emoticons
2. Handling negation
3. Word lengthening
4. None

Answer: 1,2,3

Question 3: Which of the following is/are false?

1. The picture quality of this camera is great - 'picture quality' is implicit aspect
2. This laptop is expensive - 'expensive' is an implicit aspect expression
3. This phone will not fit in a pocket - 'fit in a pocket' is an explicit aspect expression indicates the aspect 'size'
4. All of the above

Answer: 1,3

Solution: Refer lecture 60

Question 4: Consider the sentence: "The display was cool; but, the network quality and camera were very dull". Which of the following are true?

1. Aspect: "display", Sentiment: Positive, Opinion Phrase: "cool".
2. Aspect: "camera", Sentiment: Negative, Opinion Phrase: "very dull".
3. Aspect: "were", Sentiment: Negative, Opinion Phrase: "very dull".
4. Only (1) and (3)

Answer: 1,2

Solution:
'were' is not a aspect term

Question 5: Let P(w|c) represent the probability of a word given its rating. Further, let P(w) represent the probability of the word in the overall corpus. While analyzing the polarity of a word in a given corpus, what is the intuition behind dividing P(w|c) by P(w)?

1. To make it comparable across different ratings.
2. To make it comparable across different words.
3. Both (1) and (2).
4. None of the above.

Answer: 2
Solution: Refer to Lecture 60 "Computing with Affective Lexicons".

Question 6: The word 'loving' and 'buoyant' falls under which affective state typology respectively?

1. Attitudes, Mood
2. Emotion, Attitudes
3. Emotion, Mood
4. Mood, Personality traits

Answer: 1

Solution: Refer to Lecture 56

Question 7: Which of the following is/are True regarding indicators of Irrealis mood?

1. Conditional markers(if)
2. Negative polarity items like 'any' and 'anything'
3. Words enclosed in quotes and necessarily reflective of the authors opinion
4. None

Answer: 1, 2

Solution: Refer Lecture 59

Question 8: Which of the following is/are True about the Turney algorithm?

1. It extracts a phrasal lexicon from reviews
2. Learns polarity of each phrase
3. Rate a review by the average polarity of its phrases
4. All of the above

Answer: 4
Solution: Refer Lecture 58