Assignment 2

The deadline for submitting this assignment has passed.

Due on 2020-02-12, 23:59 IST.

1. In the hypernymy network of English language, we can traverse from the word "LEAF" to "TREE". Which common sense relation is this between the two words?

   - It's a superordinate
   - It's a hyponym
   - It's a also a synonym as well as a hypernym
   - It's a peck

   No, the answer is incorrect.

   Accepted Answers
   - A hyponym relation as a reference

   2. Which of the following is the most correct with respect to the graph of a social network graph? (Choose the best one) / 3 points

   - A) It is never a complete graph
   - B) It is always a connected graph
   - C) It is mostly a connected graph
   - D) It is mostly a disconnected graph

   No, the answer is incorrect.

   Accepted Answers
   - A) It is mostly a connected graph

   3. What is the density of the given graph? / 3 points

   ![Graph](image.png)

   No, the answer is incorrect.

   Accepted Answers
   - 0.13
   - 0.90
   - 0.37
   - 0.07

   4. Choose the one that is False out of the following:

   - Graphs are hard for Graph Visualization
   - Graphs can store the data in the form of a label and label their
   - Graph and GraphML are different formats.
   - Both Graph and GraphML can store sets of attributes of nodes and edges.

   No, the answer is incorrect.

   Accepted Answers
   - Graph and GraphML are different formats.

   5. Which of the following formats was created as a part of Graph project? / 3 points

   - GraphML
   - GraphML
   - GraphML
   - GraphML

   No, the answer is incorrect.

   Accepted Answers
   - GraphML

   6. Graph is used to (Choose the best option)

   - The analysis of network
   - The visualization of networks
   - The analysis as well as visualization of networks
   - For managing network data sets

   No, the answer is incorrect.

   Accepted Answers
   - The analysis as well as visualization of networks

   7. Which of the following network formats is the most useful for analyzing attributes for edges? / 5 points

   - GML
   - GraphML
   - PGML
   - AdjForm

   No, the answer is incorrect.

   Accepted Answers
   - AdjForm

   8. The average clustering coefficient of a complete graph with 100 nodes will be? / 1 point

   - 0
   - 1
   - 0.9
   - 0.8

   No, the answer is incorrect.

   Accepted Answers
   - Power Law

   9. The degree distribution of most real-world networks follows which form? / 1 point

   - Zipf's Law
   - Erdos-Polcic Law
   - Power Law
   - Difficult to say as they follow any distribution

   No, the answer is incorrect.

   Accepted Answers
   - Power Law