Quiz 1

Question 1.

  (a) Big data has the 4V properties. Use the operation of **Amazon** to explain the terms: Volume and Velocity in Big Data.

                (6 marks)

  (b) Use WhatsApp to explain the concept of unstructured data.

                (3 marks)
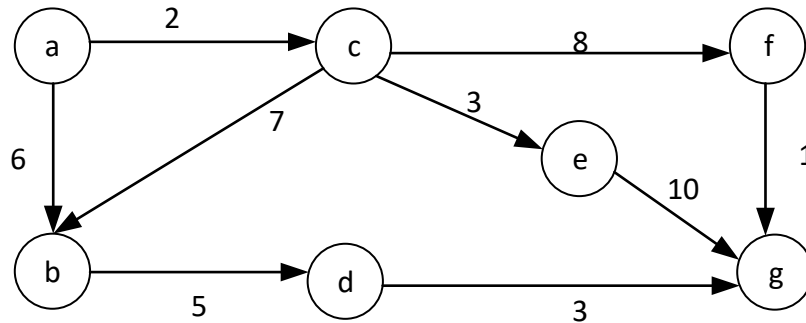
Question 2.

Figure Q2

Figure Q3 show a weighted digraph.

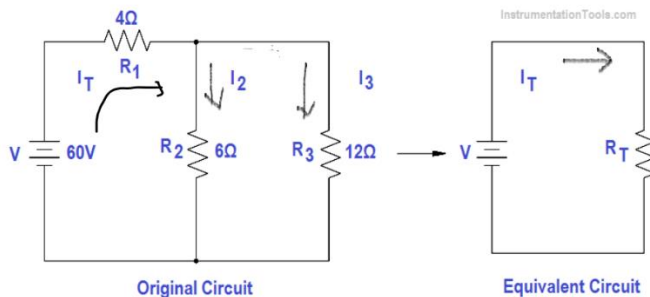 (a) What is the adjacency matrix of the weighted digraph?

                (3 marks)

  (b) Use the Dijkstra's Algorithm to find the shortest path from node-a to node-g. **Show your steps.**

                (8 marks)

Question 3

Determine $I2$, $I3$, I_T, R_T. Clearly state the physics laws used in your formulation.

                (10 marks)