# IITJ (2013-14), 3rd Year, II Sem.
## 32002-Artificial Intelligence, Quiz#3

April 9, 2014

Duration: 20 Minutes                                      (Max Marks: 10)

1. Use best-first search to find the minimum distance as well as the path from start node $a$ to goal node $g$ in the graph shown in figure 1. (5)
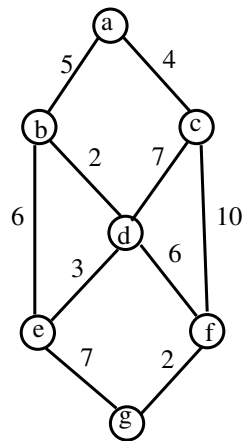


Figure 1: Graph.

2. Making use of backtracking, solve the following crypto-arithmetic Constrainst satisfaction problem. Try to find out more than one solution, if they exist. (5)

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    T W O
+ T W O
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F O U R
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