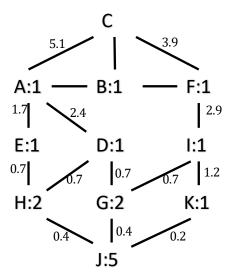
COMP7/8118 M50 Assignment 9

## Q1.(a) (15 *points*)



Suggested Marking Scheme: Students are not required to show detailed steps. Full mark should be granted if the final output is correct. For each wrongly computed edge betweenness value, deduct 1 point.

## **Q2.** (5 *points*)

Pros:

• Flexible. It can capture overlapping/nesting community structures

Cons:

- Fixed membership
- Parameters are not intuitive to set
- Computationally difficult to solve

Suggested Marking Scheme: The above list is not intend to be exclusive. Reasonable arguments should be granted a full mark.