2019/2/2 COMP9024 19T0

COMP9024 19T0

## **COMP9024 Sample Final Exam**

Data Structures and Algorithms

[Instructions] [C language] [Q1] [Q2] [Q3] [Q4] [Q5] [Q6]

## Question 2 (10 marks)

One question on graph algorithms (using say DFS and/or BFS), for example,

- hasPath(G, src, dest), goto the slide
- findPath(G, src, dest), goto the slide
- findPathBFS(G, src, dest), goto the slide
- dfsCycleCheck(G,v), goto the slide
- components(G), goto the slide
- countReachableNodes (G, v), count number of nodes reachable from node "v" in a directed graph "g".