Indian Institute of Engineering Science and Technology, Shibpur
Department of Information Technology
Algorithms Lab

6th Semester, 2018
Assignment 4

1)Consider a graph. Find out the Hamiltonian path of the graph if exists.
Show the variation of execution time of your algorithm with number of
vertices/nodes of the graph. Comment on the time complexity of your algorithm.

2)Consider a graph. Find out the number of connected components within the
graph.