Register Number

Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam – 603 110
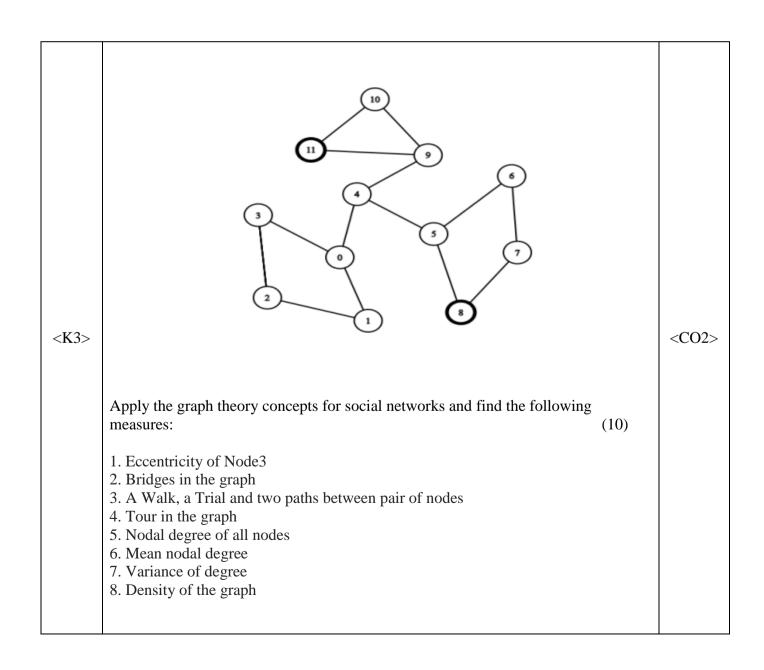
(An Autonomous Institution, Affiliated to Anna University, Chennai)

<Computer Science and Engineering

Continuous Assessment Test – I

Question Paper

Degree & Branch	B.E – Computer Science and Engineering				Semester	VII
Subject Code & Name	UCS1722- Social Network Analysis				Regulation: 2018	
Academic Year	2021-2022	Batch	2018-2022	Date	13.08.2021	FN / AN
Time: 90 Minutes	Answer All Questions				Maximum: 50 Marks	

Part – C (10 Marks)

<K3>

<CO2>

Apply the graph theory concepts for social networks and find the following measures: (10)

1. Eccentricity of Node3
2. Bridges in the graph
3. A Walk, a Trial and two paths between pair of nodes
4. Tour in the graph
5. Nodal degree of all nodes
6. Mean nodal degree
7. Variance of degree
8. Density of the graph

Prepared By	Reviewed By	Approved By
Course Coordinator	PAC Team	HOD