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Courses » Computational Systems Biology

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Unit 6 - Week 2

Course **Assignment 2** outline The due date for submitting this assignment has passed. As per our records you have not submitted this Due on 2018-08-15, 23:59 IST. How to access the portal assignment. 1) The correct order of clustering coefficient $C_{small-world}$, C_{rand} , 1 point Pre-requisite **Assignment** $C_{scale-free}$ and characteristic path length $L_{small-world}$, L_{rand} , $L_{scale-free}$ are: **MATLAB Access** \bigcirc C_{small-world} > C_{rand} > C_{scale-free}; L_{small-world} ~ L_{rand} < L_{scale-free} and Introduction \bigcirc $C_{small-world} > C_{rand} = C_{scale-free}$; $L_{small-world} < L_{rand} < L_{scale-free}$ MATLAB \bigcirc $C_{small-world} < C_{rand} < C_{scale-free}$; $L_{small-world} > L_{rand} < L_{scale-free}$ Learning Modules $C_{\text{small-world}} = C_{\text{rand}} < C_{\text{scale-free}} : L_{\text{small-world}} > L_{\text{rand}} > L_{\text{scale-free}}$ Week 1 No, the answer is incorrect. Score: 0 Week 2 **Accepted Answers:** $C_{small-world} > C_{rand} > C_{scale-free}$; $L_{small-world} \sim L_{rand} < L_{scale-free}$ 13 -Introduction to 2) Betweenness centrality is a characteristic of a and is a measure 1 point Networks of __ <u>• 14 -</u> Introduction to node, how connected the neighbours are Networks network, number of shortest paths passing through a node 15 -Introduction to node, number of connection each node has Network network, fraction of edges between nodes of different types Biology 16 -No, the answer is incorrect. Introduction to Score: 0 Network **Accepted Answers:** Biology network, number of shortest paths passing through a node **a** 17 -Introduction to 3) Which of the following statements are true for the clustering 1 point Network coefficient of a network: Biology

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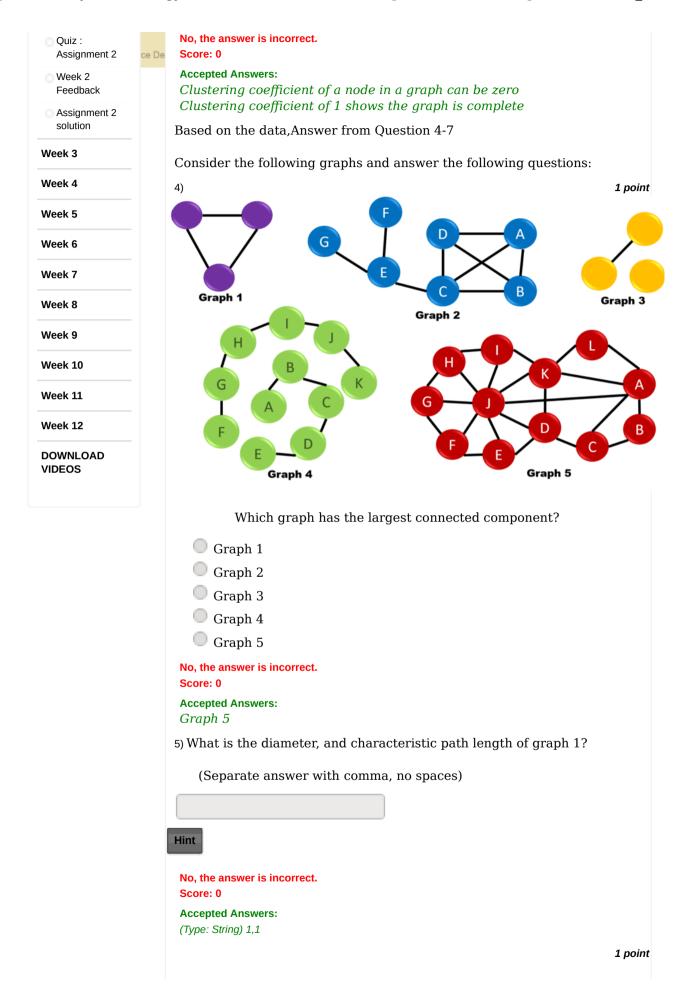
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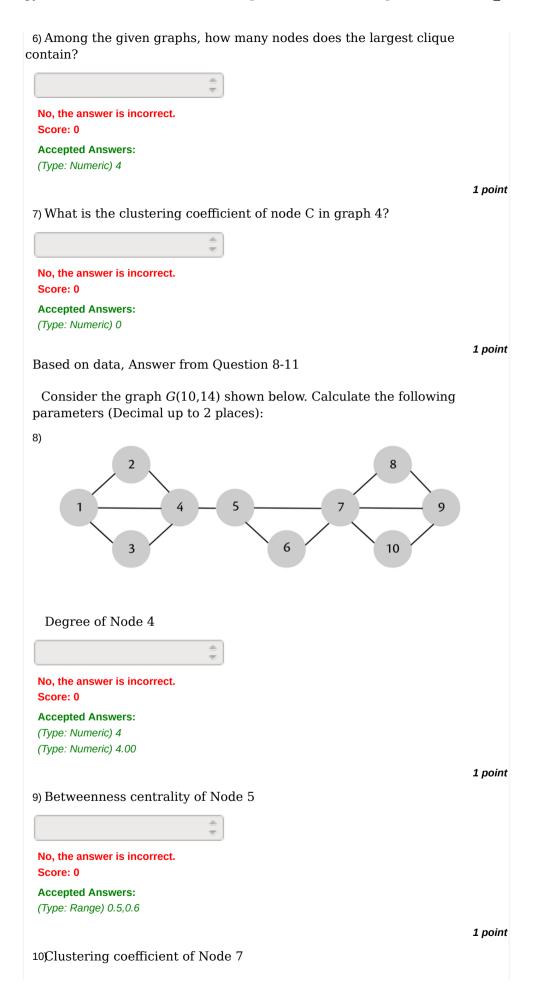


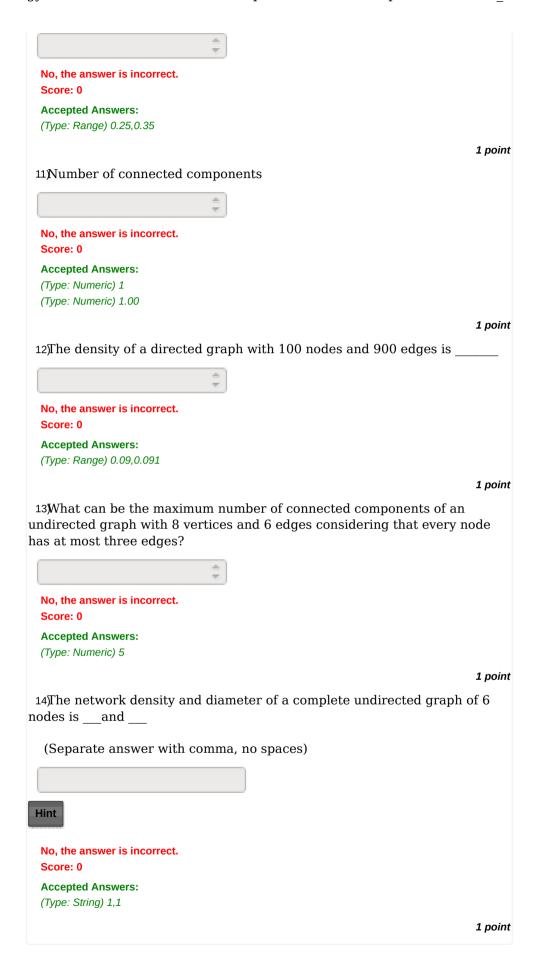


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