



National University of Computer & Emerging Sciences, Karachi
Fall-2017 CS-Department
Quiz 4 (A)



28th November 2017, 9:00 am – 9:30 am

Course Code: CS302	Course Name: Design and Analysis of Algorithm
Instructor Name / Names: Subhash Sagar	
Student Roll No:	Section: B

Time: 30 minutes.

Max Marks: 5 points

Question 1: Find inverse of the following matrix (A^{-1}) using LU decomposition method.

$$A = \begin{bmatrix} 1 & -2 & -2 & -3 \\ 3 & -9 & 0 & -9 \\ -1 & 2 & 4 & 7 \\ -3 & -6 & 26 & 2 \end{bmatrix}$$



National University of Computer & Emerging Sciences, Karachi
Fall-2017 CS-Department
Quiz 4 (B)



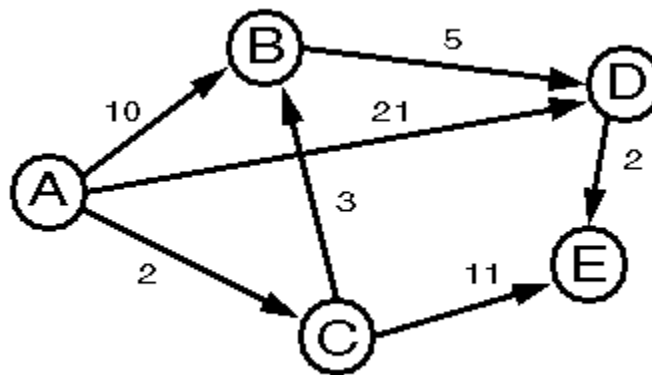
28th November 2017, 9:00 am – 9:30 am

Course Code: CS302	Course Name: Design and Analysis of Algorithm
Instructor Name / Names: Subhash Sagar	
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Time: 30 minutes.

Max Marks: 5 points

Question:1 Find all pair shortest path of the following graph using Floyd-Warshall Algorithm.





National University of Computer & Emerging Sciences, Karachi
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28th November 2017, 12:00 pm – 12:30 pm

Course Code: CS302	Course Name: Design and Analysis of Algorithm
Instructor Name / Names: Subhash Sagar	
Student Roll No:	Section: D

Time: 30 minutes.

Max Marks: 5 points

Question 1: Find inverse of the following matrix (A^{-1}) using LU decomposition method.

$$A = \begin{pmatrix} 2 & 4 & -4 & 0 \\ 1 & 5 & -5 & -3 \\ 2 & 3 & 1 & 3 \\ 1 & 4 & -2 & 2 \end{pmatrix}$$



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Quiz 4 (B)



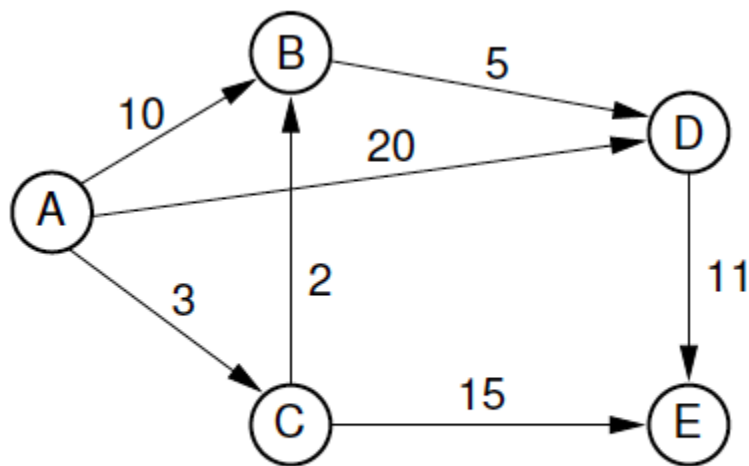
28th November 2017, 12:00 pm – 12:30 pm

Course Code: CS302	Course Name: Design and Analysis of Algorithm
Instructor Name / Names: Subhash Sagar	
Student Roll No:	Section: D

Time: 30 minutes.

Max Marks: 5 points

Question:1 Find all pair shortest path of the following graph using Floyd-Warshall Algorithm.





National University of Computer & Emerging Sciences, Karachi
Fall-2017 CS-Department
Quiz 4 (A)



28th November 2017, 1:00 pm – 1:30 pm

Course Code: CS302	Course Name: Design and Analysis of Algorithm
Instructor Name / Names: Subhash Sagar	
Student Roll No:	Section: E

Time: 30 minutes.

Max Marks: 5 points

Question 1: Find inverse of the following matrix (A^{-1}) using LU decomposition method.

$$A = \begin{bmatrix} 5 & 3 & 5 & -4 \\ 20 & 10 & 18 & -15 \\ -25 & -11 & -26 & 22 \\ -20 & -16 & 1 & 1 \end{bmatrix}$$



National University of Computer & Emerging Sciences, Karachi
Fall-2017 CS-Department
Quiz 4 (B)



28th November 2017, 1:00 pm – 1:30 pm

Course Code: CS302	Course Name: Design and Analysis of Algorithm
Instructor Name / Names: Subhash Sagar	
Student Roll No:	Section: E

Time: 30 minutes.

Max Marks: 5 points

Question:1 Find all pair shortest path of the following graph using Floyd-Warshall Algorithm.

