

Max Marks: 10

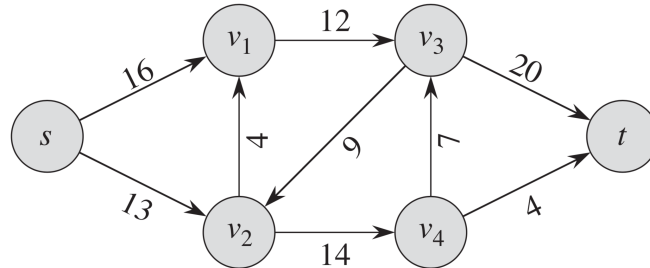
Time Allowed: 15 minutes

Name: _____

ERP: _____

Question 1: 10 marks

Consider the following network G (the numbers are edge capacities).



- [7 marks] Find the maximum flow using the Ford-Fulkerson algorithm. Draw residual graphs (along with its edge capacities) after each iteration of the algorithm.
- [1 mark] What is the size of maximum flow f found in part (a)?
- [2 marks] Find min-cut.