The following is a list of possible questions for our quiz on November 19th. Some of the questions will not be asked in the quiz. All the questions that will appear in the quiz will appear exactly as shown below (however, numeric parameters may be changed). The quiz is closed textbook, closed notes and closed neighbors. Note that the questions, which did not appear in this quiz, still may appear in the exams. You will find a solution for these questions during lectures.

#1: Which types of routing (source routing, centralized routing or distributed routing) should BGP be categorized to? Justify your choice.

#2: What are the possible performance metrics for routing (mention at least four)?

#3: What is “centralized routing”?

#4: Show how a routing table used in “centralized routing” looks.

#5: What is “source routing”?

#6: Show how a routing table used in “source routing” looks.

#7: What is “distributed routing”?

#8: Show how a routing table used in “distributed routing” looks.

#9: What is the primary advantage in “centralized routing”? What are the primary problems (at least two) in “centralized routing”?

#10: What is the primary advantage in “source routing”? What is the primary problem in “source routing”?

#11: What is the primary advantage in “distributed routing”? What is the primary problem in “distributed routing”?

#12: Which of “Dijkstra Shortest-Path Algorithm” or “Bellman-Ford Shortest-Path Algorithm” is used for routing in the Internet?

#13: What “fringe nodes” in “Dijkstra Shortest-Path Algorithm”?

#14: What is the condition “Dijkstra Shortest-Path Algorithm” uses to finish its calculation?

#15: What is the condition “Bellman-Ford Shortest-Path Algorithm” uses to finish its calculation?