Possible Quiz Questions for Quiz #6 on October 3rd, 2019

The following is a list of possible questions for our Quiz #6 on October 3rd. 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, 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.

#1: What is asynchronous transmission? What is synchronous transmission?

#2: What are “framing errors”?

#3: Define local area networks (“LANs”) by answering the following issues:
   (a) Primary purpose
   (b) Size
   (c) Ownership

#4: Define wide area networks (“WANs”) by answering the following issues:
   (a) Primary purpose
   (b) Size
   (c) Ownership

#5: Define internet (the Internet) by answering the following issues:
   (a) Primary purpose
   (b) Size
   (c) Ownership

#6: Define intranet by answering the following issues:
   (a) Primary purpose
   (b) Size
   (c) Ownership

#7: What are “repeaters”?

#8: What are “multi-port repeaters”?

#9: How are “switches” different from “repeaters”?

#10: “Network hubs” can be two different types of network connecting devices. What are they?
#11: What are “multi-port bridges (switching hubs)”?

#12: What is the primary advantage of “switch” (compared to “repeaters”)?

#13: How are “routers” different from “switches” (mention two major differences)?

#14: Internet consists of a large number of networks, called “(network) domains” inter-connected by routers. Why not switches or repeaters used for inter-connecting domains, instead of routers?

#15: What is (are) the primary advantage(s) of routers, compared with switches?

#16: What is (are) the primary disadvantage(s) of routers, compared with switches?

#17: What is “medium access control (MAC)”?