

**CS 372                      Introduction to Computer Networks**  
**Self-Check Exercises: Lecture 12**

- 1) Is FTP a peer-to-peer or client/server protocol?
- 2) What states does the FTP protocol maintain?
- 3) Why does FTP open two connections for a file transfer?
- 4) What are the three major components of e-mail?
- 5) Why are separate protocols required for sending email and receiving email?
- 6) How does SMTP send additional types of objects (other than raw text), since it isn't built to do so?
- 7) SMTP is a \_\_\_\_\_ protocol,  
IMAP is a \_\_\_\_\_ protocol,  
POP3 is a \_\_\_\_\_ protocol.
- 8) What's the difference between the POP3 and IMAP email protocols (from a user's point of view)?