Homework Questions on Application Layer 1

- Q1. In what way instant messaging is a hybrid of client-server and P2P architecture?
- Q2. Multiple Choice Questions Choose one from the possible choices:
- A) Suppose a client sends an HTTP request message with the *If-modified-since*: header. Suppose the object in the server has not changed since the last time that client retrieved the object. Then the server will send a response message with the status code:
 - (i) 304 Not Modified
 - (ii) 404 Not Found
 - (iii) 200 OK
 - (iv) 403 Permission Denied
- B) HTTP request and response messages are not human readable
 - (i) True
 - (ii) False
- C) All SMTP e-mail messages must be in 8-bit ASCII
 - (i) True
 - (ii) False
- Q3. Suppose you needed to use HTTP to download a web page with three embedded images. Draw diagrams, similar to those from the lecture slides, depicting the main interactions between the client and server when using non-persistent HTTP, persistent HTTP without pipelining, and persistent HTTP with pipelining.

End of Homework