

## Chap-1 Question Bank

Subject/Subject Code	Semester/Branch
Computer Networks / 2140709	4 <sup>th</sup> – CE/IT

### Short Questions:

1. Explain following terms: 1) Processing Delay 2) Queuing Delay 3) Transmission Delay 4) Propagation Delay
2. What is end-to-end delay?
3. What is Internet?
4. What is Protocol?
5. What is the functionality of Switch device?
6. Major difference between LAN and WAN.
7. Define Throughput for computer networks
8. Give an example of URL and explain its components.
9. What is network topology?
10. What is MAC and IP address?
11. The transport layer is responsible for \_\_\_\_\_ delivery of packet.

Consider the following HTTP message and answer the 12.13.14 questions:

```
GET /cs453/index.html HTTP/1.1<cr><lf>Host: gai
a.cs.umass.edu<cr><lf>User-Agent: Mozilla/5.0 (
Windows;U; Windows NT 5.1; en-US; rv:1.7.2) Gec
ko/20040804 Netscape/7.2 (ax) <cr><lf>Accept:ex
t/xml, application/xml, application/xhtml+xml, text
/html;q=0.9, text/plain;q=0.8,image/png,*/*;q=0.5
<cr><lf>Accept-Language: en-us,en;q=0.5<cr><lf>Accept-
Encoding: zip,deflate<cr><lf>Accept-Charset: ISO
-8859-1,utf-8;q=0.7,*;q=0.7<cr><lf>Keep-Alive: 300<cr>
<lf>Connection:keep-alive<cr><lf><cr><lf>
```

12. Does browser request a non-persistent or a persistent connection?
13. Which is the (complete) URL of the document requested by the user?
14. Which HTML method is used to retrieve the requested URL?
15. Draw the layered architecture of OSI reference model and write the at least two services provided by each layer of the model.
16. What is HTTP? Explain with respect to persistent and non-persistent connections
17. Differentiate between Connection oriented and Connectionless services
18. Discuss the Circuit switched and packet switched networks.