

Chap-2 Question Bank

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

Short Questions:

1. Explain the working of electronic mail protocols SMTP, IMAP and POP3 in brief with suitable diagram.
2. Why distributed database design is more preferred over centralized design to implement DNS in the Internet? Justify. Also explain the way of DNS servers to handle the recursive DNS query using suitable diagram.
3. What is client-server architecture? Discuss its merits and demerits.
4. Explain the movement of files between local and remote systems using FTP.
5. Discuss the DNS services in detail.
6. What is HTTP? Differentiate its persistent and non-persistent types with request-response behavior of HTTP.
7. Explain the concept of Cookies and its components with suitable example.
8. What is proxy server? What are the benefits of caching proxy server?

Consider the following HTTP message and answer the 9,10,11,12 questions:

```
GET /home.asp HTTP/1.1
Host: gtu.ac.in
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8
Cookie: OGPC=5061921-11:5061952-13:5061985-24:5061983-27:5061968-13:5062004-7:5062009-6:5062022-12;;
SID=DQAAALgBAAA3RAje9UILOOSuH0G91uzL5JOJNUYU2aVOml6jEWVTCo9-
User-Agent: Chrome/49.0.2623.110
X-Client-Data: CIS2yQEIprbJAQjDtskBCP2VygE
Connection:keep-alive
```

9. From which browser URL is requested?
10. Does browser request a non-persistent or a persistent connection?
11. Which is the (complete) URL of the document requested by the user?
12. Which HTML method is used to retrieve the requested URL?
13. Explain the high-level view of Internet e-mail system and its major components.
14. Compare UDP and TCP.