

Q3 Ans

(i) DNS  $\Rightarrow$  (1) The Domain namespace is a hierarchical decentralized naming system for computer services or other resources connected to the Internet or a private network.

(2) Domain Name space is a system that can map a name to an address and conversely an address to a name.

(ii) FTP  $\Rightarrow$  (1) The client FTP application opens a control connection to the server on destination port 21, and specifies a source port as the source to which the FTP server should respond.

(ii) The FTP server in response 21

(iii) The FTP server and client negotiate the data transfer parameters.

(iv) The FTP server opens a second connection for data on port 20 to the original client.

(v) Data transfer begins.

(vi) The data connection closed.

(vii) The FTP connection is closed.

Sec-1

Q-3

(10) Voice over IP.

→ (i) Voice over Internet protocol is a technology used for delivering different kinds of data from a source to a destination using IP (Internet Protocol).

(ii) The data may be in many forms, including files, voice communication, picture, fax or multimedia message. VoIP is most often used for telephone calls, which are almost free of charge.