

Computer Fundamentals

Unit 4. Introduction To Internet

Topics Covered:

- Internet
 - Applications
- Equipments Required for an Internet Connection.
- Email
 - Steps to create an e-mail account.
 - Steps to send an e-mail.
 - Steps to read an e-mail
- Browsing
- Assignment

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Unit 4. Introduction To Internet

• Internet :

- It is a system connecting computers around the world using TCP/IP.
- TCP - Transmission Control Protocol
- IP - Internet Protocol.
- It primarily consists of billions of interconnected webpages that are transferred using HTTP (Hyper Text Transfer Protocol) and collectively known as World Wide Web (www).
- Internet also uses FTP (File Transfer protocol) to transfer files, and SMTP (Simple Mail Transfer protocol) to transfer e-mail.
- URL (Uniform Resource Locator) is used to surf a particular site.
- There are several search engines like Google, Yahoo, Hotmail etc that are used to sort and search any webpage.

→ Applications : -

(i) Communication:

- Yahoo mail .com, Rediff mail .com etc

(ii) Job Searchers:

- Naukri .com, monster .com etc

(iii) Finding books and study material.

(iv) Shopping

(v) Travelling

(vi) Entertainment

(vii) Research

(viii) Stock market update

(ix) Health and medicine

(x) Web browsing

(xi) Booking tickets etc.

(v) ISP (Internet Service Provider):-

→ We can get internet connection through various Internet Service providers (ISPs) like MTNL, VSNL etc., AT&T etc.

Assignment

Q.1) Multiple Choice Questions:-

1. What is internet?
 - a) a single network
 - b) a vast collection of different networks
 - c) interconnection of LAN's
 - d) interconnection of WANs.
2. To join the internet, the computer has to be connected to a _____.
 - a) internet architecture board
 - b) internet society
 - c) internet service provider
 - d) different computers.
3. Which of the following is used in internet?
 - a) HTTP
 - b) DNS
 - c) SMTP
 - d) All of the above.
4. The equipment needed to allow home computers to connect to the internet is called _____.
 - a) Modem
 - b) Gateway
 - c) Monitor
 - d) Peripheral
5. The server to the internet is also known as _____.
 - a) Hub
 - b) Host
 - c) Gateway
 - d) Repeater

Q.2) Write full forms of :-

i) HTTP

ii) DNS

iii) IP

iv) TCP

v) FTP

vi) ARP

vii) SMTP

viii) LAN

ix) ISP

x) Modem

Q.3) Answer the following :-

(i) Name some sites names used for :

(a) Entertainment

(b) Travel

(c) Shopping

(d) Ticket booking

(e) Web browsers (not sites)

(f) Job searchers.

(g) Communication

(h) Search engines (only name)

(ii) Write short notes on :-

(a) LAN

(b) WAN

(iii) Explain Types of Modem in detail.

(iv) What are the advantages and disadvantages of Internet?
• _____ •

E-mail (Electronic mail)

→ It is a way of sending electronic messages or data from one computer to another.

→ Advantages :-

(i) It is a free tool.

(ii) It is very simple and quick.

(iii) It is accessible from anywhere, any-time with internet connection.

(iv) It is paperless and allows for mass message sending.

→ Disadvantages :-

i) Lacks personal touch.

ii) Can cause misunderstanding.

iii) Messages may contain viruses.

→ Steps to create an e-mail account :-

1. Open browser.

2. Type URL like www.gmail.com etc

3. Click on Sign Up button.

4. Enter all mandatory fields (First name, Last name, DOB etc)

5. Type desired Email address.

6. Choose a secure password (at least 8 characters, mixing letters, numbers, lower and upper case and special characters)

7. Select Security Question and type its answer

8. Verify registration by typing the numbers in captcha picture.

9. Click on "Accept" button.

→ If we already have an e-mail account then:

1. Type User Id and Password.

2. Click on Login button.

→ Steps to send an e-mail :-

- (i) Sign into account by typing user id and password and hitting sign in button.
- (ii) Compose a new e-mail
- (iii) Write Recipient email address
- (iv) Enter the Subject of the e-mail.
- (v) Enter the Body
- (vi) Click on Send.
- (vii) Check confirmation in Sent option.

→ Steps to receive / read an e-mail :-

- (i) Login to y account by typing user id and password and hitting on sign in option.
- (ii) Go to Inbox.
- (iii) Inbox contain all mails that we receive.
- (iv) Click on the mail that we want to read.
- (v) Read the email content and can reply by clicking on arrow at top right hand or by clicking on Reply option.
- (vi) After reading mail, click back to inbox icon to close the mail and go back to the list of emails in inbox.

→ Browsing :-

- Also referred as surfing.
- It is used to describe when a user reads through pages on Internet.
- It is the act of looking through a set of information quickly, without a specific sense of purpose.
- It usually refers to using world wide web.
- It is a sense of aimlessness, with user just wasting time on the internet.

Assignment

Q.1) Multiple choice question :-

1. An internet service that allows the user to move a file.

- a) FTP
- b) DNS
- c) Telnet
- d) ARP

2. Any system that uses the HTTP protocol is called:

- a) Web browser
- b) Web server
- c) WWW
- d) TCP/IP

3. Which of the following is not a mailing site:

- a) Gmail
- b) Yahoo
- c) Hotmail
- d) Google

4. Which of the following is not a browser:

- a) Chrome
- b) Mozilla Firefox
- c) Internet explorer
- d) Bing

5. Which of the following is not a search engine.

- a) Bing
- b) Youtube
- c) Yahoo
- d) Google

Q.2) Write steps to create an e-mail account using diagram..

Q.3) Write steps to send an e-mail account with diagram.

Q.4) Write steps to logout from an e-mail account with diagram.