Internet

Fastrack REVISION

- **Internet:** The internet is the global system of interconnected computer networks that uses the internet protocol suite (TCP/IP) to communicate between networks and devices.

- **World Wide Web (WWW):** WWW is the collection of a huge number of interconnected web pages that are collectively called as the Web. The web constitutes the internet. You can access any information across these web pages.

- **Web Browser:** The web browser is an application which is used by the user to open and browse the internet. Some commonly used web browsers are Mozilla Firefox, Opera, Safari, Google Chrome and Internet Explorer.

- **Hyperlink:** A hyperlink is a link of web pages. By clicking on the hyperlink, you may directly access the web page or the website, without opening the web browser and typing the web address. A hyperlink always has an underline under it. By clicking on it, you will be directed to its web page.

- **Web Page:** A Web page is an electronic document for the World Wide Web displayed in a web browser on your computer screen. A website may have a few or a large number of web pages. A web page displays the related information on your computer screen in HTML (Hyper Text Markup Language). This information can be in the form of a text, a picture, a video and much more.

- **Home Page:** Every website has a main page to display its content. This main page is called its Home page. It is the first page which opens while you open a website. The website owner may change the home page, as and when required.

- **Website:** A website is a collection of related web pages on the internet. Every website has its own address, which is its identity. You may open a website by typing its address in your web browser. Moving from one website to another is called net surfing.

- **Broadband:** Broadband is a high-speed internet connection. It is provided through either the cable or telephone companies. It is the one of the fastest options to transfer data. Cable internet connection is also a form of broadband access. It provides the internet through a cable modem, which is provided by the cable operator.

- **Wireless:** Wireless is used for any computer network where there is no physical wired connection between the sender and the receiver to communicate. Wireless networking is also known as Wi-Fi. It is a way of getting the internet without wires.

- **Hotspot:** It is based on the Wi-Fi technology. It allows electronic devices to connect to the internet or exchange data wirelessly through radio waves in place of the telephone or cable networks. The main advantage of this connection is that you can access the internet from any location that comes within its coverage.

- **Mobile:** Many cell phone and smartphone providers offer different plans to access the internet. For this, you require a device called a dongle. Mobile internet connections have very good speeds to access the internet. The speed also depends on the Internet service provider (ISP).

- **Satellite:** In a satellite internet connection, the transfer of data is through a satellite. This internet option is available where broadband connection is not yet offered, for example, in rural areas where wired phone lines or cable connections are not yet offered. It also uses a modem similar to wireless access. Satellite internet equipment is made up of three main components: an orbiting satellite in space, a satellite dish mounted on your home and a modem that transmits internet signals from the dish to your computer.

- **Internet Based Communication Tools:** One of the most important features of the internet is communication. The internet has made communication a lot easier and quicker. The entire world is able to communicate with each other using the internet. The most popular use of the internet these days is communication.

- **Different Communication Services:** There are various communication services, like Chat, E-mail, Newsgroups, Blog, Video-conferencing, etc.

- **Chat:** It is a real-time communication between two users over the internet. Online chat may address point-to-point communication as well as multicast communications from one sender to many receivers and voice and video chat, or may be a feature of web conferencing service.

- **Chat Room:** The service in which multiple users talk to each other in real-time, by posting the messages, on the topic of common interest is known as the chat room. The chat room facility is offered by many websites. Some of the common ones are teenchat.com, tinychat.com, teenspot.com, etc.

- **Types of Chat Services:** The following are the three most commonly used types of chat services, available online.

- **Instant Messaging (IM):** A communication service over the internet which allows an instant transmission of text-based messages from the sender to receiver is known as Instant Messaging.

- **ICQ (I SEEK YOU):** It is an extremely useful communication program that allows you to message, send files, send URL's, and many more. It is a free program that can easily be downloaded from the internet.

- **Internet Relay Chat (IRC):** It is a system for chatting that involves a set of rules, conventions and client/server software.

- **E-mail:** It stands for Electronic Mail. It is a communication system that sends and receive messages via internet, by using specific e-mail address known as e-mail ids. It is widely used internet based communication tool.

- **E-mail Message Components:** E-mail message comprises of different components: e-mail header, text and signature.

  - **E-mail Header:** The first five lines of an e-mail message form the e-mail header. The header part comprises of following fields:
    - **From:** This field indicates the sender's address *i.e.* who sent the e-mail.
    - **Date:** This field indicates the date when the e-mail was sent.
    - **To:** This field indicates the recipient's address i.e. to whom the e-mail is sent.
    - **Subject:** The subject field indicates the purpose of e-mail. It should be precise and to the point.
    - **Cc:** Cc stands for Carbon Copy. It includes those recipient addresses whom we want to keep informed but not exactly the intended recipient.
    - **Bcc:** Bcc stands for Blind Carbon Copy. It is used when we do not want one or more of the recipients to know that someone else was copied on the message.
    - **Text:** It represents the actual content of the message.
    - **Signature:** This is the final part of an e-mail message. It includes Name of Sender, Address and Contact Number.

- **Advantages of E-mail:**
  - Reliable
  - Convenience
  - Speed
  - Inexpensive
  - Printable
  - Global

- **Disadvantages of E-mail:**
  - Forgery
  - Overload
  - Misdirection
  - Junk
  - No response

- **E-mail Tips:** The following are some safety tips to use an e-mail safely:
  - Do not share passwords and credit card numbers through an e-mail.
  - Do not open or reply spam. Just because someone has sent you an e-mail does not mean that you need to read it or respond to it. Only access the authenticated e-mail messages.

- ➤ Do not open attachments that have come from unauthenticated or unknown sources as these may contain viruses.
- ➤ While sending an e-mail to a group of people who do not know each other, use the Bcc line to protect everybody's identity.

▶ **Newsgroups:** Newsgroups are similar to e-mail, except that the message is not posted to someone's mail box. It is posted on the bulletin board where it can be read and responded by any member. In this way, a discussion takes place among the several people. The main difference between the newsgroup and the chat room is that there is no instant communication in a newsgroup like in the chat room.

▶ **Blogs:** A website in which articles are posted regularly and displayed in reverse sequential order is known as a blog. Blog entries have the text, hypertext, images and links to the other web pages, audio, videos, etc. A blog focusses on the area of interest. The blogs of celebrities discuss personal experiences. Authoring, maintaining or adding an article on an existing blog is known as blogging.

▶ **Video-conferencing:** Video-conferencing allows people at two or more locations to communicate and interact with one another via audio and video transmission. It makes use of computer networks to send audio and video data from one place to another. TeamViewer, Skype, Zoom Meeting and GoToMeeting are some examples of video-conferencing software.

▶ **Requirements for Video-conferencing:** To participate in a video-conference, in addition to the internet, each participant should have the following hardware devices.
- ➤ Computer system/Laptop
- ➤ Video camera/Web camera
- ➤ Microphone
- ➤ Speakers

▶ **Social Networking Through Social Media Sites:** Online communities that let people come together, communicate and share things, such as pictures, videos, projects, etc., are known as social networking or social media sites. These sites are a great fun for people. Some examples of popular social networking sites are Facebook, Instagram, Twitter, LinkedIn, etc.

- ➤ **Facebook:** Facebook is the most popular and widely used social media website where users can share status, updates, pictures, videos and web content with their friends. Mark Zuckerberg, founded Facebook in 2004, while he was studying at the Harvard University.
- ➤ **Instagram:** Instagram is a popular social application for instantly enhancing photographs and videos with amazing effects, and then sharing them across a number of social media websites.
- ➤ **Twitter:** Twitter is a free social networking website where users can post small character messages known as tweets visible to their followers. It is used by many celebrities and famous personalities to connect with their fans.
- ➤ **LinkedIn:** It is also a social networking platform, which can be used to search through professional networks. You can also add your profile to network with other people with similar interests.
- ➤ **Pinterest:** Pinterest is a free pin-board style photo sharing site and application where users can create and manage theme-based image collections, like interests, hobbies and recipes. It stores actual copies (not only thumbnails and links) of the images being pinned.

▶ **Data and Resource Sharing:** There are many services available on the internet that allow you to share resources like data, audio and video, at reasonable rates.

▶ **Cloud Computing:** Cloud computing, also known as on-the-line computing, is an emerging internet computing technology. It is a kind of internet-based computing service that provides access to data and shared processing resources on demand. Cloud computing uses the internet and central remote servers to maintain data and application.

▶ **YouTube:** YouTube is an online public communication site. You can view and upload videos on any topic in the world, on this website. This website allows registered users to upload and make their videos available for people. It gives a platform to all the budding artists to share their work with the public.

Practice *Exercise*

? Multiple Choice Questions

Q 1. Which of the following options allows you to write a new e-mail to someone?
- a. Compose e-mail
- b. Send e-mail
- c. Reply e-mail
- d. None of these

Q 2. Which of the following is not a chat service?
- a. Instant messaging
- b. ICQ
- c. IRC
- d. e-mail

Q 3. Which of the following is an example of a chat service?
- a. Hike
- b. Wikipedia.com
- c. gmail.com
- d. None of these

Q 4. Who is the founder of Facebook?
- a. Jack Dorsey
- b. Mark Zuckerberg
- c. Javed Karim
- d. Tim Berners-Lee

Q 5. Which one of the following cannot be used for online chat?
- a. Hike messenger
- b. Windows live messenger
- c. Yahoo! Messenger
- d. LinkedIn

Q 6. Which of the following is an example of a blogging website?

a. www.linkedin.com. b. www.facebook.com.
c. www.blogger.com. d. None of these

Q 7. From which website can you download the "I seek you" chat messenger?

a. www.icu.com b. www.iqc.com
c. www.irc.com d. www.icq.com

Q 8. What do we call the website in which articles are posted regularly and displayed in reverse sequential order?

a. Blog b. Blogger
c. Search engine d. Blogging

Q 9. Which of the following is not a part of an e-mail?

a. Outbox b. Inbox
c. Reply d. None of these

Q 10. Which of the following is not a social networking website?

a. Hotmail b. Twitter
c. My Space d. Facebook

Q 11. Which of the following is used to hold a video-conference call with your friends?

a. E-shopping b. E-learning
c. Video-conferencing d. E-banking

Q 12. How many blogs were there on the internet, in 1999?

a. 22 b. 23
c. 34 d. 24

Q 13. Which of the following allows video uploading?

a. Picasa b. Dropbox
c. YouTube d. None of these

Q 14. .... can be used to search through professional network.

a. Instagram b. Twitter
c. Facebook d. LinkedIn

Q 15. .... checks the databases of websites like Pinterest and Linkedin.

a. SeekYou.com b. PeekYou.com
c. ReekYou.com d. NeekYou.com

Q 16. .... is a real time communication between two users via computer.

a. Calling b. Video-conferencing
c. Chat d. All of these

Q 17. IRC was developed by ....

a. Ray Tomlinson b. Tim berner Lee
c. Charles Babbage d. Jarkko Oikarinen

Q 18. IRC stands for ....

a. Internet Relay Chat
b. Intranet Relay Chat
c. International Relay Chat
d. International Relay Chatting

Q 19. An e-mail address can be up to .... characters long.

a. 354 MB b. 154 MB
c. 204 MB d. 254 MB

Q 20. You cannot send more than .... of files in an e-mail.

a. 35 MB b. 15 MB
c. 20 MB d. 25 MB

Q 21. Inbox consists of all .... e-mails.

a. spam b. received
c. outgoing d. All of these

Q 22. .... allows face to face conversation with many persons simultaneously over internet.

a. Video-conferencing b. E-learning
c. Mobile technology d. E-shopping

? Fill in the Blanks
Type Questions

Q 23. .... can be used to search through professional networks.

Q 24. .... is a real-time communication between two users *via* computer.

Q 25. IRC was developed by ....

Q 26. .... is the place to go to exchange information with people of similar interest.

Q 27. .... is the process of copying files from your computer to server.

? Assertion and Reason
Type Questions

Directions (Q. Nos. 28-32): *In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option.*

a. Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
b. Both Assertion (A) and Reason (R) are true, but Reason (R) is not correct explanation of Assertion (A).
c. Assertion (A) is true, but Reason (R) is false.
d. Assertion (A) is false, but Reason (R) is true.

Q 28. Assertion (A): Online chat may address point-to-point communication as well as multicast communications from one sender to many receivers and voice and video chat, or may be a feature of web conferencing service.

Reason (R): Chat is a real-time communication between two users over the internet.

Q 29. Assertion (A): Chat Room service in which multiple users talk to each other in real-time, by posting the messages, on the topic of common interest is known as the chat room.

Reason (R): The chat room facility is offered by many websites. Some of the common ones are teenchat.com, tinychat.com, teenspot.com, etc.

Q 30. Assertion (A): ICQ (I SEEK YOU) is a system for chatting that involves a set of rules, conventions and client/server software.

Reason (R): A communication service over the internet which allows an instant transmission of text-based messages from the sender to receiver is known as Instant Messaging.

Q 31. **Assertion (A):** Do not open or reply spam. Just because someone has sent you an e-mail does not mean that you need to read it or respond to it. Only access the authenticated e-mail messages.

Reason (R): While sending an e-mail to a group of people who do not know each other, use the CC line to protect everybody's identity.

Q 32. **Assertion (A):** Signature is the first part of an e-mail message. It includes Name of Sender, Address and Contact Number.

Reason (R): A website in which articles are posted regularly and displayed in reverse sequential order is known as a blog.

Answers

1. (a)	2. (d)	3. (a)	4. (b)	5. (d)
6. (c)	7. (d)	8. (a)	9. (a)	10. (a)
11. (c)	12. (b)	13. (c)	14. (d)	15. (b)
16. (c)	17. (d)	18. (a)	19. (d)	20. (d)
21. (b)	22. (a)			

23. LinkedIn 24. chat
25. Jarkko Oikarinen 26. newsgroup 27. Uploading
28. (b) 29. (b) 30. (d) 31. (c) 32. (d)

? Case Study Based
Questions

Case Study 1

Chat: It is the online textual or multimedia conversation. It is real-time communication between two users via computer. It is widely interactive text-based communication process that takes place over the internet.

Chatting is a virtual means of communication that involves the sending and receiving of messages, share audios and videos between users located in any part of the world. In chatting, you type a message in your chat box, which is immediately received by the recipient, then the recipient types a message in response to your message, which is instantly received by you.

Q 1. Chat rooms are also known as:
a. Talking rooms   b. Virtual rooms
c. Special rooms   d. Gossip rooms

Q 2. A/an .... is the hub of internet chatting.
a. Chat group   b. Chat place
c. Chat space   d. Chat room

Q 3. Which of the following is/are popular chat applications?
a. WeChat   b. Tango
c. WhatsApp   d. All of these

Q 4. Which of the following enables communication through sending and receiving text messages?
a. Text-based chat   b. Multimedia chat
c. Both a. and b.   d. None of these

Q 5. Chatting is defined as:
a. Web service   b. Browser service
c. Server service   d. e-mail service

Answers

1. (b)	2. (d)	3. (d)	4. (a)	5. (a)

Case Study 2

E-mail: It is an electronic version of sending and receiving letters. The e-mail is transmitted between computer systems, which exchange messages or pass them onto other sites according to certain internet protocols or rules for exchanging e-mail. You can send e-mail from your computer at any time to any address around the world and your electronic letter or e-mail will arrive at its destination in seconds after you send it, even if the receiver is not online.

For sending and receiving an e-mail, you must have an e-mail account, which is either a web based online e-mail account or an e-mail account on your ISP server. Web based online e-mail account can be created through many sites like Gmail, Yahoo mail, Rediffmail, etc.

Q 1. Which of the following is always a part of e-mail address?
a. Period(.)   b. Space()
c. At sign(@)   d. Underscore(_)

Q 2. Which among the following is an area of E-mail that is short description of the message?
a. Subject   b. Cc
c. Bcc   d. Attachment

Q 3. Identify the software that helps you in sending and receiving an e-mail.
a. MS-Office   b. Internet explorer
c. Gmail   d. None of these

Q 4. Junk mail is also called:
a. Crop   b. Spoof
c. Spam   d. Sniffer script

Q 5. An e-mail attachment is referred to as:
a. The body of the e-mail.
b. The address of the sender.
c. A document that is sent with an e-mail.
d. Any document that can be attached and sent with an e-mail.

Answers

1. (c)	2. (a)	3. (c)	4. (c)	5. (d)

Case Study 3

For millions of people around the world, social networking has become an important aspect of their life. Online communities that let people come together, communicate and share things such as pictures, videos, projects, etc., are known as social networking or social media sites. These sites are a great fun for people. Some examples of popular social networking sites are Facebook, Instagram, Twitter, LinkedIn, etc.

Accounts can be created on these sites for being a part of the social network. Chatting or instant messaging is another communication tool, which is commonly used. Using the social networking sites, people can see each other and talk through the web cameras and with the microphones. Let us learn about some social networking websites.

Q 1. Define Facebook.

Q 2. .... is a popular social application for instantly enhancing photographs and videos with amazing effects, and then sharing them across a number of social media websites.

Q 3. Initially, the character length of a tweet was restricted up to .... characters.

Q 4. What do you mean by the term LinkedIn?

Q 5. Define Twitter.

Answers

1. Facebook is the most popular and widely used social media website where users can share status, updates, pictures, videos, and web content with their friends.
2. Instagram
3. 140
4. LinkedIn, is also a social networking platform, which can be used to search through professional networks. We can also add your profile to network with other people with similar interests.
5. Twitter is a free social networking website where users can post small character messages known as tweets visible to their followers.

? Very Short Answer Type Questions

Q 1. Name the various communication services.

Ans. There are various communication services like Chat, e-mail Newsgroups, Blog, Video-conferencing, etc., which allow you to connect and share your thoughts and views with anyone or almost everyone in the world.

Q 2. Define Chat.

Ans. Chat is a real-time communication between two users via computer. Once a chat has been initiated, either user can enter text by typing on the keyboard and the entered text will appear on the other user's monitor.

Q 3. What is a Chat Room?

Ans. The service in which multiple users talk to each other in real-time, by posting the messages on topic of common interest, is known as chat room. Chat room facility is offered by many websites.

Q 4. How many types of chat services are available online? Name them.

Ans. There are three most common types of chat services available online.
(a) Instant Messaging   (b) ICQ   (c) IRC

Q 5. Define Signing out.

Ans. Signing out means moving out of your e-mail account. We should always sign out of your account to prevent any kind of misuse.

Q 6. What is blogging?

Ans. Authoring, maintaining or adding an article on an existing blog is known as blogging.

Q 7. Who are known as blogger?

Ans. The person who authors, posts and maintains blogs is known as a Blogger.

Q 8. Name the protocols used by the video-conferencing applications.

Ans. Video-conferencing applications use Voice over the Internet (VoI) or Voice over Internet Protocol (VoIP) for working.

Q 9. What is multimedia?

Ans. Multimedia is the field concerned with the computer-controlled integration of text, graphics, drawings, still and moving images (Video), animation, audio, and any other media where every type of information can be represented, stored, transmitted and processed digitally.

Q 10. Name the various video-conferencing available applications.

Ans. There are many video-conferencing applications available, like Skype, CoolTalk and NetMeeting.

Q 11. Write the name of some social networking sites.

Ans. Some examples of popular social networking sites are Facebook, Instagram, Twitter, LinkedIn, etc.

Q 12. Jiten wants to develop a multimedia application that makes the user actively participate. What type of multimedia would it be? Define it.

Ans. Non-Linear: Non-linear uses interactivity to control progress as with a video game or self-paced computer based training. Example: Hypermedia.

Q 13. Chandrachur is developing a music for the annual concert at school using his synthesizer. What format would he use?

Ans. Chandrachur use MIDI format. MIDI (Musical Instrument Digital Interface) is a protocol developed in the 1980's which allows electronic instruments and other digital musical tools to communicate with each other.

? Short Answer
Type Questions

Q 1. What is an Inbox?

Ans. An inbox is like a postal mailbox that is placed outside our house. Like a postal mail box that stores postal mails that come to us, inbox stores e-mails that we receive. It consists of all received e-mails. Each e-mail has a header which displays information about the sender, time and date when the mail was sent. Its content appears, when we click on it.

Q 2. How can you reply an e-mail?

Ans. To reply to an e-mail, we click on the Reply button. The reply message pane will appear. We type the message and click on the Send button to send the mail.

Q 3. What is a Blog?

Ans. A website in which articles are posted regularly and displayed in reverse sequential order is known as a Blog. Blog entries have the text, hypertext, images and links to the other web pages, audio, videos, etc.

Q 4. What is tweened path animation?

Ans. Tweened Path Animation: Tweening is a traditional animation term that describes the process in which a lead animator draws only the animation frames where major changes take place, called keyframes. Assistants draw the frames in between. Adobe Flash may be used to create tweened path animation.

Q 5. Write the steps for attaching files to an e-mail.

Ans. Perform the below mentioned steps to attach a file.

Step 1: Click on the attach file option 📎 at the bottom of the new message screen.

Step 2: An **Open** dialog box will appear. Browse and select the file you would like to attach. It might take some time depending on the size of the file.

Once the file is attached, it will be displayed at the bottom of the new message screen. You can also remove the file by clicking on the cross on the attachment.

Q 6. Write the steps for signing out of an e-mail account.

Ans. Perform the below mentioned steps to sign out from an e-mail account.

Step 1: At the top-right corner of the browser window, click on the icon.

Step 2: Select the Sign out option. A screen will appear that confirms that you have successfully signed out.

Q 7. Why Cloud Computing has become a highly demanded service or utility?

Ans. Cloud computing has become a highly demanded service or utility due to the advantages of high computing power, cheap cost of services, high performance, scalability, accessibility as well as availability.

Q 8. Define YouTube.

Ans. YouTube is an online public communication site. We can view and upload videos on any topic in the world, on this website. This website allows registered users to upload and make their videos available for people. It gives a platform to all the budding artists to share their work with the public.

Q 9. What is cyber bullying?

Ans. Cyber bullying is a type of cybercrime that involves harassment, where the abusive and insulting messages are repeatedly sent to the victim. Other kinds of cyber bullying such as flaming, denigration, impersonation, outing, trickery, and exclusion are also found in the world of social networks.

Q 10. What is digital video?

Ans. Digital video is an electronic representation of moving visual images (video) in the form of encoded digital data. This is in contrast to analog video, which represents moving visual images with analog signals. Digital video comprises a series of digital images displayed in rapid succession.

CHAPTER TEST

Multiple Choice Questions

Q 1. Which among the following are types of multimedia?
a. Linear
b. Non-Linear
c. Both a. and b.
d. None of these

Q 2. Which among the following is not an element of multimedia?
a. Audio
b. Video
c. Animation
d. Keyboard

Q 3. Which among the following graphics format is used to create digital images through a sequence of commands or mathematical statements that place lines and shapes in a given two-dimensional or three-dimensional space?
a. Vector graphics
b. Raster graphics
c. Linear graphics
d. Non-linear graphics

Q 4. What is the full form of JPEG of image format?
a. Joint Photographic Experts Groups
b. Joint Photographic Experts Graphics
c. Joint Photographic Elemental Groups
d. Joint Picture Experts Groups

Fill in the Blanks

Q 5. The internet is a .... network of computers.

Q 6. A website in which articles are posted regularly and displayed in a reverse sequential order is known as a ....

Assertion-Reason Type Questions

Directions (Q. Nos. 7-8): *In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option.*

a. Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
b. Both Assertion (A) and Reason (R) are true, but Reason (R) is not correct explanation of Assertion (A).
c. Assertion (A) is true, but Reason (R) is false.
d. Assertion (A) is false, but Reason (R) is true.

Q 7. Assertion (A): Video conferencing allows people at two or more locations to communicate and interact with one another via audio and video transmission.
Reason (R): Authoring, maintaining or adding an article on an existing blog is known as chatting.

Q 8. Assertion (A): Cloud computing, also known as on-the-line computing, is an emerging Internet computing technology. It is a kind of Internet-based computing service that provides access to data and shared processing resources on demand.
Reason (R): Cloud computing uses the Internet and central remote servers to maintain data and application.

Case Study Based Questions

Q 9. The word multi and media are combined to form the word multimedia. The word "multi" signifies "many." Multimedia is a type of medium that allows information to be easily transferred from one location to another. Multimedia is the presentation of text, pictures, audio and video with links and tools that allow the user to navigate, engage, create, and communicate using a computer.

Multimedia refers to the computer-assisted integration of text, drawings, still and moving images (videos) graphics, audio, animation and any other media in which any type of information can be expressed, stored, communicated, and processed digitally. To begin, a computer must be present to coordinate what you see and hear, as well as to interact with. Second, there must be interconnections between the various pieces of information. Third, you'll need navigational tools to get around the web of interconnected data. Multimedia is being employed in a variety of disciplines, including education, training, and business.

(i) Which among the following image formats uses animation?
  a. TIFF
  b. BMP
  c. GIF
  d. PNG

(ii) What is the full form of MPEG used in audio formats?
  a. Moving Picture Experts Group
  b. Moving Pixel Experts Group
  c. Moving Picture Experts Graphics
  d. Music Picture Experts Group

(iii) Name the audio format that is a proprietary format, and is used for streaming audio that enables you to play digital audio files in real-time.
  a. WAV
  b. RAM
  c. WMA
  d. MIDI

(iv) Name the audio format which is a standard adopted by the electronic music industry for controlling devices, such as synthesizers and sound cards, that emit music.
  a. WAV
  b. RAM
  c. WMA
  d. MIDI

(v) Name the video format developed by Apple.
  a. AVI
  b. WMF
  c. MP3
  d. MOV

Q 10. Multimedia is an interactive media and provides multiple ways to represent information to the user in a powerful manner. It provides an interaction between users and digital information. It is a medium of communication. Some of the sectors where multimedia is used extensively are education, training, reference material, business presentations, advertising and documentaries.

By definition Multimedia is a representation of information in an attractive and interactive manner with the use of a combination of text, audio, video, graphics and animation. In other words we can say that Multimedia is a computerised method of presenting information combining textual data, audio, visuals (video), graphics and animations. For examples: E-mail, Yahoo messenger, Video-conferencing and Multimedia Message Service (MMS). Multimedia as name suggests is the combination of Multi and Media that is many types of media (hardware/software) used for communication of information.

(i) List two types of multimedia.
(ii) Name any hardware and software requirement for text element in multimedia.
(iii) What is generative graphics?
(iv) What is real audio?
(v) What does MPEG stand for?

Very Short Answer Type Questions

Q 11. Define skype.
Q 12. What is raster graphics?

Short Answer Type Questions

Q 13. Differentiate between Cc and Bcc.