QB365 Question Bank Software Study Materials

Multimedia Important 2 Marks Questions With Answers (Book Back and Creative)

12th Standard

Computer Applications

Total Marks : 60

2 Marks

30 x 2 = 60

1) List out Multimedia Components

Answer : Multimedia has five major components like text, images, sound, video and animation.

2) Classify the TEXT component in multimedia.

Answer : Text component in multimedia can be classified as
(i) Static text.
(ii) Hypertext.

3) Classify the IMAGE component in multimedia.

Answer : Image acts as an important component in multimedia. Images are generated by the computer in two ways:
(i) Bitmap images (or) Raster imges
(ii) Vector images.

4) Define Multimedia.

Answer : The word multimedia consists of two words "multi" and "media". Multimedia is a computer based presentation technique that incorporates text, images, sound, video and animation.

5) Define Animation.

Answer : Animation is the process of displaying still images so quickly so that they give the impression of continuous movement. In animation the screen object is a vector image.

6) Define Multimedia and their features.

Answer : Multimedia allows the users to combine and change data from various sources like image, text, graphics,video and audio to a single platform.
Features:
(i) It has become the latest enriching experience in the field of information sector.
(ii) It has brought a lot of changes to computing, entertainment and education.

7) Define Animation and their features.

Answer : Animation is the process of displaying still images with continuous movement.
Features:
(i) Screen object is a vector image.
(ii) Animation tools are very powerful and effective.
(iii) Frame rate: 16 frames/sec for smoothness impression, 25 frames/sec for natural looking.

8) Define Multimedia Production.

Answer : It is any sort of production that user combination of text, audio and graphics to tell about something.
Eg. Educational, Sale of product etc.

9) What is Multimedia Production Team?

Answer : (i) The production team for a high - end multimedia project requires a team efforts
(ii) The team comprises of members playing various roles and responsibilities like Script writer, Production manager, Editor, Graphics Architect, Multimedia Architect and WebMaster.

10) What is Musical Instrument Digital Identifier (MIDI)?

Answer : Musical Instrument Digital Identifier (MIDI) is a standard communication tool developed for computers and electronic instruments.

11) What do you meant by raster or bitmap image?

Answer : The common and comprehensive form of storing images in a computer is called raster or bitmap image.

12) How can you determine number of colors and depth of colors in bitmap or raster image of mutimedia component?

Answer : Based on number of bits is used we can determine the number of colors, and the color depth is determined.

Example:

1 bit = 2 colors (21)

4 bit = 16 colors (24)

8 bit = 256 colors and so on. (28)

Number ofcolors = 2n, where n is number of bit.

13) How are compressioan - techniques used ia vector-images?

Answer : Compression - techniques are used to reduce the file size of images that is useful for storing large number of images and speeding transmission for networked application.

Examples: GIF, TIFF and IPEG compression techniques are used.

14) Explain about multimedia in Educational purposes.

Answer : Multimedia plays an vital role in offering an excellent alternative method to traditional teaching by allowing the students to explore and learn various concepts through animation.

15) How is multimedia applicable for teaching in India?

Answer : (i) Multimedia in India, is used for teaching, e-learning, distance learning, virtual learning and so on.

(ii) EDUSAT (Education Satellite) is launched in India for serving the educational sector of the country for emulating virtual classroom in an effective manner.

16) How is multimedia applicable in business systerns?

Answer : (i) Business applications for multimedia include presentations, training, internet protocols and so on.

(ii) The marketing and advertising agencies are using animation techniques for sales promotion.

17) Where is multimedia kiosk applicable?

Answer : (i) It is commonly used in airports and other public locations to provide directions and few mandatory informations.

(ii) In an library, Kiosk is usually located near the entrance of the library, used for displaying announcements, reading lists and other informations about operations of the library.

18) Write shortly on Webcasting and Video Conferencing.

Answer : (i) The live telecast of real time programs through internet is known as Webcasting.

(ii) Video conferencing is the process of conducting conference between more than two participants at different sites by using computer networks to transmit audio and video data.

19) Write about User Orientation program.

Answer : 1.The role of multimedia plays a vital role in training the libarians in schools, colleges and universities due to its interactivity.

2. Hence, it is used in depth subject training to their faculties.

20) write short notes on In-house Production of Multimedia Resources and E-publishing.

Answer : (i) Many Iibraries produce multimedia resources in-house, to serve the parent organization.

(ii) Multimedia tools along with CD-writers is made possible to publish information from different sources in a most easy to use and acceptable form to library users.

21) Explain shortly about the advantage of vector image.

Answer : The advantage of vector image is relatively small amount of data is required to represent the image and thereby only less memory is needed to store.

22) Write roles and responsibilities of computer programmer.

Answer : (i) The computer programmer writes the lines of code or scripts in the appropriate language.
(ii) These scripts usually develops special functions like developing the software to give the size and shape of video windows, controlling peripherals and so on.

23) Define static text used in multimedia.

Answer : Static text will remain static as a heading or in a line, or in a paragraph. The words are given along with the images to explain about the images. In static text, the words will either give information or support an image or an video.

24) Describe the text which consists of nodes Hyper text.

Answer : A hypertext is a system which consists of nodes, the text and the links between the nodes, which defines the paths the user need to follow for the text access in non-sequential ways.

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26) Write a note on path animation.

Answer : Path animation involves moving an object on a screen that has a constant background e.g. a cartoon character may move across the screen regardless of any change in the background or the character.

27) Write a note on RTF.

Answer : Rich Text Format is the primary file format introduced in 1987 by Microsoft with the specification of their published products and for cross-platform documents interchange.

28) Defining the content?

Answer : Content is the "stuff" provided by content specialist to the multimedia architect with which the application is developed, who prepares the narration, bullets, charts and tables etc.

29) Read the following statement and write the correct image file formats.
(i) Commonly used in desktop publishing world.
(ii) Quite large and uncompressed image format.
(iii) Similar to BMP.
(iv) Most of the computer color images and backgrounds.

Answer : (i) TIFF
(ii) BMP
(iii) DIB
(iv) GIF

30) List the various fields where the multimedia used in majority.

Answer : (i) Education
(ii) Entertainment
(iii) Business Systems
(iv) Medical Services.
(v) Public Places
(vi) Multimedia Conferencing