BRAINWARE UNIVERSITY
Term End Examination 2020 - 21
Programme – Bachelor of Technology in Computer Science & Engineering
Course Name – Multimedia
Course Code - BCSE503
Semester / Year - Semester V

Time allotted : 85 Minutes   Full Marks : 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)   1 x 70=70

1.   *(Answer any Seventy)*

(i) Which one is not a step in digitization technique?

a) Digital form presentation   b) Quantization

c) Digital Representation   d) None of these

(ii) If bit depth increases, Signal to Noise Ratio

a) Increases   b) Decreases

c) Has no effect   d) None of these

(iii) Which one is not a fundamental property of a wave

a) Amplitude   b) Frequency

c) Waveform   d) All of these

(iv) According to Nyquist theorem, we need to sample an analog signal
_____ times the highest frequency.

a) Three   b) Two

c) Four   d) Five

(v) Image is one kind of _____ element

a) Static   b) Dynamic

c) All of these   d) None of these

(vi) If there are 8 different amplitude values, then how much bit-depth is required to access those amplitude values?

a) 16
b) 8
c) 4
d) 3

(vii) TV shows are considered as a _____ presentation.

a) Linear
b) Non- Linear
c) Interactive
d) None of these

(viii) Diagram will be considered as _____ media

a) Image
b) Graphics
c) Audio
d) Video

(ix) CBSR system allows searching through

a) Only text
b) Only Image
c) Only Video
d) All type of media

(x) Which is more relevant with amplitude?

a) Brightness of light
b) Loudness of sound
c) Both Brightness of light and Loudness of sound
d) Color of light

(xi) First step of digitization is

a) Sampling
b) Quantization
c) Code-ward generation
d) None of these

(xii) Word Art is an example of

a) Plain text
b) Unformatted text
c) Formatted text
d) Hyper text

(xiii) Changing the horizontal gap between characters is called

a) Leading   b) Kerning

c) Fonting   d) None of this

(xiv) Vector image is maintained by

   a) True Type Font   b) CID Font

   c) Post Script Font   d) None of this

(xv) Super scripting of a text is an example of

   a) Formatted Text   b) Unformatted Text

   c) Hyper Text   d) None of these

(xvi) 2 GB = _____ MB?

   a) 1024   b) 2048

   c) 512   d) 8

(xvii) Text is one kind of _____ element.

   a) Static   b) Dynamic

   c) None of these   d) All of these

(xviii) In Unicode, first byte represents

   a) Actual Character   b) Glyphs

   c) Language Area   d) None of these

(xix) Bold Appearance in a MS Word document is an example of

   a) Formatted Text   b) Unformatted Text

   c) Hyper Text   d) All of these

(xx) Run Length Encoding technique is an example of _____ compression.

   a) Lossy   b) Lossless

   c) Fixed Length   d) None of these

(xxi) Minimum numbers of repetition is needed in RLE is

a) 2
b) 3
c) 4
d) None of these

(xxii) Conversion of an analog waves to a digital format called

a) Echo
b) Sampling
c) Frequency
d) Sound Forge

(xxiii) Distortion produced due to low sampling rate is called

a) Frequency modulation
b) Noise modulation
c) Aliasing
d) Both Frequency modulation and Noise modulation

(xxiv) Changing font color of text is one kind of

a) Formatted Text
b) Unformatted Text
c) Hyper Text
d) All of these

(xxv) Decibel is an unit of

a) Bit Depth
b) Noise
c) Original light wave
d) All of these

(xxvi) A combination of an encryption algorithm and a decryption algorithm is called a

a) Plain Text
b) Cipher Text
c) Original Text
d) Shift Cipher

(xxvii) Lempel-Ziv-Welse encoding technique is an example of _____ compression.

a) Dictionary based
b) Lossless
c) Fixed Length
d) None of these

(xxviii) What is the maximum number supported by UCS-4?

a) FFFFFFFF

b) FFFF

c) FFFFFF

d) 10FFFF

(xxix) In (R, G, B) mode of color coding, what is the maximum value of R?

a) 64

b) 128

c) 256

d) 255

(xxx) Image is a collection of small elements called

a) graphics

b) bits

c) pixels

d) None of these

(xxxi) Which of the following is a standard image file format?

a) Joint Photo Expert Group

b) Joint Photographic Expert Group

c) Joint Picture Expert Group

d) Joint Picture Expert Group

(xxxii) Which color is not present in a binary image?

a) White

b) Blue

c) Black

d) None of these

(xxxiii) Each pixel in a true color image is represented by

a) 8 bit

b) 16 bit

c) 24 bit

d) 32 bit

(xxxiv) JPEG image is a _____ image.

a) 1 bit

b) 8 bit

c) 16 bit

d) 24 bit

(xxxv) In Low-level image processing, which statement is true?

a) Input is image but output is a feature of an image

b) Input and output of processing system are image

c) Extracts semantics within the image   d) None of these

(xxxvi) In (H, S, L, Alpha) mode of color coding, what is the maximum value of alpha?

a) 0   b) 1

c) 16   d) 100

(xxxvii) If frames are displayed on screen fast enough, we get an impression of

a) Signals   b) Motions

c) Packets   d) Bits

(xxxviii) HDD is an example of

a) Magnetic Media   b) Optical Media

c) Both Magnetic Media and Optical Media   d) None of these

(xxxix) Which is the slowest memory?

a) Cache   b) Main Memory

c) Magnetic Tape   d) Registers

(xl) Which company first invented the flash memory?

a) IBM   b) Toshiba

c) Intel   d) TI

(xli) Which one falls as optical media?

a) CD   b) DVD

c) Both CD and DVD   d) HDD

(xlii) Semi-Random access is found in

a) RAM   b) ROM

c) Registers   d) HDD

(xliii) For speech, we need to compress digitize signals at
- a) 128KHz
- b) 256KHz
- c) 64 KHz
- d) 1152 KHz

(xliv) Audio compression can be used for
- a) Speech or Music
- b) Voice and Data
- c) Picture and Colors
- d) Video and Voice

(xlv) Purpose of dividing picture into blocks is to decrease number of
- a) Channels
- b) Pixels
- c) Calculations
- d) Frames

(xlvi) Before audio or video signals can be sent on Internet, they need to be
- a) Channelized
- b) Managed
- c) Digitized
- d) Organized

(xlvii) To create HTML page, _____ is needed
- a) Web browser
- b) Text Editor
- c) Both Web browser and Text Editor
- d) None of these

(xlviii) Marquee is a tag in HTML to
- a) Display text in scrolling effect
- b) Mark the list of items
- c) Mark the hidden text
- d) Display text with strikeout effect

(xlix) The kind of audio/video refers to on-demand request for compressed audio/video files is
- a) Streaming live
- b) Streaming stored
- c) Interactive
- d) None of these

(l) Which buffer is required for real-time traffic?
- a) Playback
- b) Recording

c) Sorting   d) None of these

(li) Real time traffic needs support of
    a) Broadcasting   b) Multicasting
    c) Both Broadcasting and Multicasting   d) None of these

(lii) Which of the following is responsible to retransmit packets in case of errorich of
    a) UDP   b) TCP
    c) Both UDP and TCP   d) None of these

(liii) Which of the following are used to number the packets of a real time transmission
    a) Timestamps   b) Playback Buffers
    c) Sequence Numbers   d) Both Timestamps and Sequence Numbers

(liv) What is perfectly suited for the definition of multimedia file?
    a) is same as any other regular file   b) must be accessed at specific rate
    c) stored on remote server can not be delivered to its client   d) None of these

(lv) The text color in a presentation should contrast with the _____ color.
    a) CPU   b) Frame
    c) Stack   d) Background

(lvi) Which of the following is the special effect used to introduce each slide in a slide presentation.
    a) Animation   b) Bulleting
    c) Transition   d) Mapping

(lvii)

Hz is the unit of

a)

Amplitude

b)

Frequency

c)

Time period

d)

Waveform

(lviii)

1 point = _____ inch.

a)

20

b)

70

c)

1/70

d)

1/72

(lix)

What is the extension of Open Type Font?

a)

b)

.ttf   .bmp

c)   d)

.off   .otf

(lx)

Which of the following does not support enlarging?

a)   b)

.ttf   .bmp

c)   d)

.off   .otf

(lxi)

Which one is a video file format?

a)   b)

.txt   .jpeg

c)   d)

.mpeg   .vob

(lxii)

Which among do not have any end tag

a)   b)

<html>   <u>

c)   d)

                                    <body>

(lxiii)

Correct html tag for largest heading is

a)   b)

    <head>   <h6>

c)   d)

    <heading>   <h1>

(lxiv)

The attribute of <form> tag is

a)   b)

    Method   Action

c)   d)

    Both Method and Action   None of these

(lxv)

All HTML tags are enclosed with

a)   b)

    # and #   < and ?

c)   d)

    < and >   { and }

(lxvi)

<a> and are the tags used for

a)

Adding image

b)

Aligning texts

c)

Audio-voiced text

d)

Adding links to a page

(lxvii)

Choose the correct HTML tag to make a sentence italic

a)

<italic>

b)

<il>

c)

<i>

d)

<it>

(lxviii)

To create a combo box, which tag will be used?

a)

<select>

b)

<list>

c)

<input type = "dropdown">

d)

None of these

(lxix)

What is the correct HTML tag for inserting an image?

a)

<image src="image.gif" alt="myimage">

b)

<img src="image.gif" alt="myimage">

c)

d)

<img href="image.gif" alt="myimage">   <img alt="MyImage">imge.gif</img>

(lxx)

Which HTML attribute specifies an alternate text for an image, if the image cannot be displayed?

a)	b)
alt	longdesc
c)	d)
src	title