Student Name/ID _____

Question 1

As one story goes, the criterion used to set the length of the sectors and ultimately the physical size of the compact disc format was based on the length of:

Choose one answer.

○ 1. the Beatles' "White Album"
○ 2. Beethoven's Ninth Symphony
○ 3. Iron Butterfly's live rendition of "Innagaddadavida"
○ 4. Bach's St. John's Passion
○ 5. Handel's Messiah

Question 2

Audio recorded at 44.1 kHz (kilohertz), 16-bit stereo is considered:

Choose one answer.

○ 1. phone-quality
○ 2. FM-quality
○ 3. AM-quality
○ 4. CD-quality
○ 5. voice-quality

Question 3

DSP stands for:

Choose one answer.

○ 1. dynamic sound programming
○ 2. direct splicing and partitioning
○ 3. digital signal processing
○ 4. delayed streaming playback
○ 5. data structuring parameters

Question 4

Each individual measurement of a sound that is stored as digital information is called a:

Choose one answer.

○ 1. buffer
○ 2. sample
○ 3. byte
○ 4. capture
○ 5. stream

Question 5

Reducing the number of separate measurements of an audio file is called _____.

Choose one answer.

○ 1. downsample
○ 2. SND
○ 3. WAV
○ 4. quick time

Question 6
Removing blank space or "dead air" at the beginning or end of a recording is sometimes called:
Choose one answer.
○ 1. quieting
○ 2. quantizing
○ 3. flashing
○ 4. trimming
○ 5. pre-rolling

Question 7
Sequencing software:
Choose one answer.
○ 1. places audio clips in order in a soundtrack
○ 2. applies filters to digital audio clips in a predetermined order
○ 3. helps synchronize images with a sound track
○ 4. manages a project by creating a timeline of events
○ 5. records and edits MIDI data

Question 8
Some software allows you to begin playing a downloading sound file as soon as enough of the sound is cached in your computer's _____.
Choose one answer.
○ 1. streaming
○ 2. MIDI
○ 3. MP3
○ 4. buffer

Question 9
Sound pressure levels (loudness or volume) are measured in _____.
Choose one answer.
○ 1. acoustics
○ 2. normalize
○ 3. quantization
○ 4. decibel

Question 10
The audio file format introduced by Microsoft and IBM with the introduction of Windows is the _____.
Choose one answer.
○ 1. downsample
○ 2. SND
○ 3. WAV
○ 4. quick time

Question 11
The branch of physics that studies sound is _____.
Choose one answer.
  ○ 1. acoustics
  ○ 2. normalize
  ○ 3. quantization
  ○ 4. decibel

Question 12
The file format that uses a shorthand representation of musical notes and durations stored in numeric form is:
Choose one answer.
  ○ 1. AIFF
  ○ 2. DSP
  ○ 3. QuickTime
  ○ 4. MIDI
  ○ 5. CD-ROM/XA

Question 13
The file size of a five-second recording sampled at 22 kHz, 16-bit stereo (two tracks) would be about:
Choose one answer.
  ○ 1. 110,000 bytes
  ○ 2. 440,000 bytes
  ○ 3. 880,000 bytes
  ○ 4. 550,000 bytes
  ○ 5. 220,000 bytes

Question 14
The most common file format for editing sound on the Macintosh is _____.
Choose one answer.
  ○ 1. downsample
  ○ 2. SND
  ○ 3. WAV
  ○ 4. quick time

Question 15
The primary benefit of the General MIDI over the previous MIDI specification is that:
Choose one answer.
  ○ 1. the file sizes are much smaller due to the compression scheme
  ○ 2. it can be easily converted into the CDROM/XA format
  ○ 3. the instruments are the same regardless of the playback source
  ○ 4. MIDI files can be easily integrated into the computer's operating system as system sounds
  ○ 5. users can easily edit and adjust the data structures

Question 16
The process of playing a sound file while part of the file is still downloading is called
_____.
Choose one answer.
○ 1. streaming
○ 2. MIDI
○ 3. MP3
○ 4. buffer

Question 17
The process of recording a sound, stored in the form of thousands of individual measurements, each at a discrete point in time, is called:
Choose one answer.
○ 1. sampling
○ 2. sizing
○ 3. streaming
○ 4. quantizing
○ 5. synthesizing

Question 18
The Red Book standard was so named because:
Choose one answer.
○ 1. the standard was pioneered in the former Soviet Union
○ 2. the standard's book jacket was red
○ 3. the dye in the first recordable CDs had a reddish tint
○ 4. it was so expensive to produce CDs early on that most producers were "in the red"
○ 5. red is an acronym for "Registered Electronic Data"

Question 19
The slower a user's connection, the longer he must wait for enough of the sound to download so that the entire file will have downloaded by the time the sound reaches the end. This effect is called:
Choose one answer.
○ 1. streaming latency
○ 2. compression
○ 3. multitap delay
○ 4. digital signal processing
○ 5. post-processing

Question 20
The standard file format for displaying digitized motion video on the Macintosh is
_____.
Choose one answer.
○ 1. downsample
○ 2. SND
○ 3. WAV
○ 4. Quick Time

Question 21

To adjust the level of a number of tracks to bring them all up to about the same level is to
_____ them.
Choose one answer.
- ○ 1. acoustics
- ○ 2. normalize
- ○ 3. quantization
- ○ 4. decibel

Question 22

What happens when an audio signal exceeds the recording device's maximum recording
level?
Choose one answer.
- ○ 1. The signal is compressed to an appropriate level.
- ○ 2. The audio clip is extended to accommodate the extra data.
- ○ 3. The extra bits go into a buffer for later use.
- ○ 4. The entire clip's volume is reduced correspondingly.
- ○ 5. Clipping of the signal occurs, introducing distortion.

Question 23

When audio is measured in order to be digitally stored, the value of each measurement is
rounded off to the nearest integer in a process called _____.
Choose one answer.
- ○ 1. acoustics
- ○ 2. normalize
- ○ 3. quantization
- ○ 4. decibel

Question 24

Which of the following sound file characteristics does not directly affect the size of a
digital audio file?
Choose one answer.
- ○ 1. sample rate
- ○ 2. tracks
- ○ 3. compression
- ○ 4. volume
- ○ 5. sample size

Question 25

Which of these statements regarding the MIDI audio format is not true?
Choose one answer.
- ○ 1. The sound can easily be changed by changing instruments.
- ○ 2. Sound tracks can be created using sequencing software.
- ○ 3. Sounds can be stretched and timing changed with no distortion of the quality.
- ○ 4. Files are generally smaller than the same digital audio sound.
- ○ 5. Spoken audio can easily be included.