



BRAINWARE UNIVERSITY

Term End Examination 2020 - 21

Programme – Bachelor of Arts (Honours) in Journalism, Mass Communication & Media Science

Course Name – Sound Basics and Editing

Course Code - GEMM301

Semester / Year - Semester III

Time allotted : 75 Minutes

Full Marks : 60

[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 60=60

1. (Answer any Sixty)

(i) _____ is defined as the number of complete oscillations or vibrations in a second performed by a particle of sound in the path of the wave..

- | | |
|---------------|----------------|
| a) Wavelength | b) Sample Rate |
| c) Frequency | d) None |

(ii) What is the Human audible range?

- | | |
|------------------------|------------------------|
| a) 20 Hz to 20000 Hz | b) 20 MHz to 20000 MHz |
| c) 20 GHz to 20000 GHz | d) 200 Hz to 20000 Hz |

(iii) Sound below 20 Hertz is known as:

- | | |
|----------------|---------------------|
| a) Sub sonic | b) Ultrasonic Sound |
| c) Super sonic | d) Infrasonic Sound |

(iv) AM stands for _____

- | | |
|---------------------------|---------------------|
| a) Amplitude Manipulation | b) Amplitude Motion |
| c) Amplitude Modulation | d) None |

(v) _____ can be defined as the maximum displacement of a particle of sound from its mean or equilibrium position.

- | | |
|---------------|------------|
| a) Wavelength | b) Decibel |
|---------------|------------|

c) Amplitude

d) Frequency

(vi) Ultrasonic Sound is the Sound that is above:

a) 20 MHz

b) 20 GHz

c) 20 Hz

d) None

(vii) 20 Hz to 20000 Hz is the _____.

a) Ultrasonic Sound

b) Infrasonic Sound

c) Human Audible range

d) Bat's audible range

(viii) The Volume level at the Point of Equilibrium =

a) 0 db.

b) 10 db.

c) -10 db.

d) None

(ix) _____ is the interdisciplinary science that deals with the study of mechanical waves in gases, liquids, and solids including vibration, sound, ultrasound and infrasound.

a) Sound Editing

b) Sound Designing

c) Acoustics

d) None

(x) Which of the following is true about Multitrack Editing in Digital platform?

a) It is a form of Destructive Editing

b) It is a form of Non - Destructive Editing

c) It is a form of Linear Editing

d) None

(xi) Which of the following is a Multitrack Editing Software?

a) Adobe Addition

b) Adobe Audition

c) Audacity

d) None

(xii) Infrasonic Sound is the Sound that is below:

a) 20 MHz

b) 20 GHz

c) 20 Hz

d) None

(xiii) What is the term for a region of high air pressure in a sound wave?

- a) Compression
- b) Rarefaction
- c) Intonation
- d) Dissonance

(xiv) Particle to particle interaction which causes sound waves to travel from one location to another is also known as _____

- a) Evacuation
- b) Isolation
- c) Propagation
- d) Refraction

(xv) Which term refers to the substance through which sound travels?

- a) Medium
- b) Solid
- c) Vacuum
- d) Space

(xvi) What is the term for a region of low air pressure in a sound wave?

- a) Compression
- b) Rarefaction
- c) Intonation
- d) Dissonance

(xvii) The term for something that continues to vibrate at a specific frequency.

- a) Translucence
- b) Luminance
- c) Ambience
- d) Resonance

(xviii) Infrasonic Sound is used for detecting.

- a) Seismic forecasting
- b) Medical diagnostics
- c) Playing Music
- d) Rainfall forecasting

(xix) Following type of sound has a source on-screen:

- a) Sync
- b) Non-sync
- c) Noise
- d) None

(xx) An example of Diegetic sound is:

- a) Background Music
- b) Off camera narration

c) 44100

d) None

(xxviii) The range of possible Amplitude levels of Sound are defined by:

a) Wavelength

b) Sample Rate

c) Bit Depth

d) None

(xxix) Which of the following Sample Rates is termed as a Standard Sample Rate?

a) 24000 Hertz

b) 44100 Hertz

c) 36000 Hertz

d) 64000 Hertz

(xxx) _____ indicates the number of digital snapshots taken of an audio signal per second.

a) Bit Depth

b) Frequency

c) Wavelength

d) Sample Rate

(xxxi) The amplitude measurement of each sample is rounded to the nearest bit. What is this process called _____

a) Quantization

b) Clocking

c) Sample and Hold

d) Compression

(xxxii) If Sample Rate is 48000 Hz then Quality Level will be of _____ and frequency range will be _____.

a) CD, 0-22050 Hz

b) CD, 0-44100 Hz

c) Both CD, 0-22050 Hz and CD, 0-44100 Hz

d) None of these

(xxxiii) Bit depth affects:

a) The Dynamic Range of Sound

b) Band width of the Audio

c) Sample Rate of Audio

d) Playback speed of Audio

(xxxiv) Which of the following might be considered professional sampling rates and bit depths?

- a) 16 bits 44.1 kHz
- b) 24 bits 96 kHz
- c) 12 bits 32 kHz
- d) 24 bits 192 kHz

(xxxv) RMS stands for:

- a) Root Mean Square
- b) Real Media Sound
- c) Root Millimeter Square
- d) Right Millimeter Square

(xxxvi) _____ is the process used to determine the average power output of the speakers over a long period of time.

- a) RMS
- b) SMS
- c) MMS
- d) None

(xxxvii) ADC is the short form of :

- a) Analog to Digital Converter
- b) Analog to Differential Converter
- c) Application to Digital Converter
- d) None

(xxxviii) Which of the following sentences are true?

- a) Analog sound can be transmitted through Network
- b) Analog sound cannot be transmitted through Network
- c) Analog sound can be sometime transmitted through Network
- d) None

(xxxix) Which of the following Microphone is made for hands free operations?

- a) Lavalier
- b) Contact
- c) Parabolic
- d) Shotgun

(xl) _____ is an electronic amplifier that converts a weak electrical signal into an output signal strong enough to be noise-tolerant and strong enough for further processing.

- a) Loudspeaker
- b) Microphone

c) Preamp

d) Sound Card

(xli) Shotgun Microphone is a _____ type of Microphone.

a) Unidirectional

b) Omnidirectional

c) Angular

d) Bidirectional

(xlii) Which of the following is a Transducer?

a) Microphone

b) Loudspeaker

c) Both Microphone and Loudspeaker

d) None

(xliii) In ADPCM, 'A' stands for :

a) Additive

b) Adaptive

c) Audible

d) None

(xliv) This red indicator at the top of the Timeline that moves as an audio is played to indicate the current time is called_____.

a) Frequency Meter

b) Level Meter

c) Envelope

d) Current Time Indicator

(xlv) Woofer is an audio driver that generates:

a) High frequencies of sound

b) Mid frequencies of sound

c) Low frequencies of sound

d) None

(xlvi) A Tweeter reproduces_____.

a) High frequencies

b) Mid frequencies

c) Low frequencies

d) None of these

(xlvii) _____ is a device that converts energy from one form to another.

a) Mixer

b) Sound Card

c) Transducer

d) None

(xlvi) _____ is a device used for converting Acoustic Energy into Electrical Signal.

- a) Microphone
- b) Loud Speaker
- c) Mixer
- d) Grinder

(xlix) What is the full form of PCM?

- a) Pulse Code Modification
- b) Pulse Control Modification
- c) Pulse Code Modulation
- d) Pulse Control Modulation

(l) CODEC stands for:

- a) Coding - Decoding
- b) Compression Deciding
- c) Compression - Decompression
- d) None

(li) _____ is an electronic amplifier that converts a weak electrical signal into an output signal strong enough to be noise-tolerant and strong enough for further processing.

- a) Loudspeaker
- b) Microphone
- c) Preamp
- d) Sound Card

(lii) Which of the following is not Sound editing software?

- a) Adobe Addition
- b) Nuendo
- c) Sound Forge
- d) Pro Tools

(liii) Which Sound Editing software was previously known as Cool Edit Pro?

- a) Pro tools
- b) Audition
- c) Edit FX
- d) Soud Forge

(liv) _____ can be defined as an unwanted Sound.

- a) Whistle
- b) Tone
- c) Note
- d) Noise

(lv) Which of the following is true about Channel?

- a) We can Pan Sound in Mono Channel
- b) We cannot Pan Sound in Stereo Channel
- c) We can Pan Sound in Stereo Channel
- d) We can Pan Sound in both Mono and Stereo Channel

(lvi) _____ is the final step of audio post-production.

- a) Fostering
- b) Designing
- c) Mastering
- d) None

(lvii) Pro Tools is a digital audio workstation developed and released by_____.

- a) Sony
- b) Apple
- c) Avid Technology
- d) None

(lviii) _____ makes a sound appear or be heard gradually as another existing sound disappears or becomes silent.

- a) Dyna Fade
- b) Masking
- c) Silencing
- d) Cross fade

(lix) Which of the following professional creates the realistic ambient sounds for film and video productions?

- a) Sound Engineer
- b) Sound Editor
- c) Dubbing Artist
- d) Foley Artist

(lx) _____ is the specialist who mixes all the audio tracks supplied by the Dubbing Editor.

- a) Dubbing Artist
- b) Foley Artist
- c) Sound Editor
- d) None