BRAINWARE UNIVERSITY
Term End Examination 2018 - 19
Programme – Bachelor of Arts (Honours) in Multimedia & Web
Course Name – Sound Editing
Course Code – BMW302B
(Semester – 3)

Time allotted: 3 Hours   **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 Questions)   10 x 1 = 10

1. *Choose the correct alternative from the following:*

(i) Which of the following is a device for converting acoustic energy into electrical signal?
- a. Microphone
- b. Loudspeaker
- c. Pre-amp
- d. None of these

(ii) Which of the following is not a Sound editing software?
- a. Nuendo
- b. Adobe Addition
- c. Sound Forge
- d. Pro Tools

(iii) What is the technique of conversion of Analog sound signals to Digital sound signals called?
- a. Pulse Codec Modulation
- b. Pulse Code Modulation
- c. Pulse Code Mode
- d. Parse Code Modulation

(iv) Which of the following Microphone is a Unidirectional Microphone?
- a. Parabolic Microphone
- b. Contact
- c. Shotgun Microphone
- d. None of these

(v) Which of the following is the speed of sound above sea level?
- a. 340.3 m/s
- b. 340.3 km/s
- c. 340.3 m/h
- d. 360 m/s

(vi) _____ is an internal expansion card that provides input and output of audio signals to and from a computer under control of computer programs.
- a. Mixer
- b. IO Card
- c. Loudspeaker
- d. Sound Card

(vii) What is a Source sound processed with a sound effect called?
- a. Dry Sound
- b. Wet Sound
- c. Moist Sound
- d. FX Sound

(viii) The maximum displacement suffered by a particle of sound from its equilibrium is called?

    a. Amplitude   b. Frequency

    c. Wavelength   d. Sample Rate

(ix) Which of the following is a Transducer?

    a. Microphone   b. Loudspeaker

    c. Both a and b   d. None of the above

(x) Sometimes a sound overshadows another sound in such a way that we cannot hear the second sound. What is it called?

    a. Mixing   b. Reflecting

    c. Refracting   d. Masking

Group – B

(Short Answer Type Questions)   3 x 5 = 15

Answer any *three* from the following:

2. Discuss about the mediums of propagation of Sound waves.   5
3. Discuss about Pulse Code Modulation.   5
4. Differentiate between Destructive audio editing and Non-destructive audio editing.   5
5. Describe the Noise removal techniques of Adobe Audition.   5
6. Explain the role of a Foley Artist.   5

Group – C

(Long Answer Type Questions)   3 x 15 = 45

Answer **any** *three* from the following:

7.   Discuss about various Digital audio editing techniques.   15
8.   Write a note on Microphone.   15
9.   Discuss about Loudspeaker.   15
10. (a) Define Sample Rate.   5
    (b) How can we change the Sample Rate of an audio file?   5
    (c) What is meant by Quantization?   5
11. (a) Define Amplitude.   5
    (b) Write briefly about Frequency.   5
    (c) Write a short note on Bit Depth.   5