Dr. Babasaheb Ambedkar Open University
Term End Examination July – 2018

Course	:	**BCAMUL**	**Date**	:	**20/7/2018**
Subject Code	:	**BCAMUL-203**	**Time**	:	**11:00am to 02:00pm**
Subject Name	:	**Digital Audio**	**Duration**	:	**03 Hours**
			Max. Marks	:	**70**

Section A

Answer the following (Attempt any three) **(30)**

1. Explain in details about audio cables.
2. Write directional properties of microphone.
3. What is sound mixer? Explain sound mixer channels
4. Explain digital audio file and standard formats
5. Explain any three proprietary formats for digital audio

Section B

Answer the following (Attempt any four) **(20)**

1. Write short note on Microphone Impedance
2. Explain Pre-Fade Listen
3. Explain audio equalization
4. Explain periodic motion
5. List and explain in brief about different types of audio connectors
6. Explain types of microphone in brief

Section C

Part – A (Multiple Choice Questions) **(10)**

1 The _____ remains common in all microphones

A Magnet B Coil
C Diaphragm D None of these

2 Which of the following is an example of sound system

A PA System B Hearing devices
C Signal processors D All of these

3 _____ is the capacity to return precisely to the original configuration after being distorted

A Elasticity B Flexibility
C Banding D Twisting

4 Dynamic microphone works on _____ principle

A Electrical B Mechanical
C Electromagnet D Displacement

5 Which of the following is type of directionality

A Omnidirectional B Unidirectional
C Bidirectional D All of these

6 Cardioid means

A Brain shape B Heart shape

C Lung shape D Kidney shape

7 Impedance of 1000 Ω is considered as _____ impedance

A Low B Medium

C High D Very high

8 Condenser microphones have _____frequency responses

A Flatter B Higher

C Lower D None of these

9 MP3 gives approximately _____ compression without significant loss of quality

A 10:1 B 20:1

C 30:1 D 50:1

10 _____ is the default format for digital audio on Windows PCs

A MP3 B WAW

C AIFF D AU

Part – B (Do as Directed) **(10)**

(True/False)

1 AU is the default format for Macintosh systems

2 PCM is a common method of storing and transmitting uncompressed digital audio

3 "mew-law" is a common lossy compression scheme

4 Attenuation is an increase in signal magnitude from one point to another, or the process causing this increase

5 The amplitude or intensity of sound is the size of the variations.

6 Velocity = distance x time

7 There are a number of different XLR's - 3-pin, 4-pin, 5-pin etc

8 Impedance = capacitance, inductance, and resistance on a signal.

9 Output gain is the level of the signal when it enters the channel

10 Most mixers do not have equalization controls for each channel

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