

Term End Examination January– 2026

Course	: DMA	Date	: 09/03/2026
Subject Code	: DMA-202	Time	: 11:30am to 01:45pm
Subject Name	: Audio Visual Production	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three)

(30)

1. Explain the Physics of Sound, detailing how sound waves are produced, travel through mediums, and the concepts of frequency and amplitude.
2. Describe the various types of Microphones based on their transducer technology (Dynamic, Condenser) and their directional pickup patterns.
3. Discuss the Three-Point Lighting setup used in video production, explaining the purpose of the Key, Fill, and Back lights.
4. Explain the difference between Linear and Non-Linear Editing, highlighting the advantages of the modern digital workflow.
5. What is a Screenplay? Discuss the essential elements of a script format, including Scene Headings, Action, Character Names, and Dialogue.

Section B

Answer the following (Attempt any four)

(20)

1. Explain the importance of White Balance in digital cinematography and how it affects color reproduction.
2. What is Sampling Rate and Bit Depth in digital audio recording? How do they determine audio quality?
3. Describe the different types of Camera Angles (e.g., Low angle, High angle, Eye level) and their psychological impact on the audience.
4. Explain the role and functions of an Audio Mixer in a studio environment.
5. What are the different Video File Formats and Codecs commonly used in post-production?
6. Define the "Rule of Thirds" in composition and explain how it helps in creating visually appealing shots.

Section C

Part – A (Multiple Choice Questions)

(10)

- Which unit is used to measure the intensity or loudness of sound?
A Hertz
B Decibel (dB)
C Watts
D Volts
- A microphone pickup pattern that receives sound equally from all directions is:
A Cardioid
B Bidirectional
C Omnidirectional
D Shotgun
- In video production, NTSC is a television standard used primarily in:
A Europe
B India
C North America
D Australia

- 4 Which phase of production involves activities like casting, location scouting, and scriptwriting?
A Pre-production
B Production
C Post-production
D Distribution
- 5 The color temperature of standard "Daylight" is approximately:
A 3200K
B 4500K
C 5600K
D 6500K
- 6 Which of the following is a common "Lossless" audio format?
A MP3
B AAC
C WAV
D WMA
- 7 A "Jump Cut" is generally considered a:
A Smooth transition
B Continuity error/Stylistic choice
C Type of fade
D Audio effect
- 8 Which tool in video editing software is used to shorten a clip without moving others on the timeline?
A Razor tool
B Ripple Edit
C Rolling Edit
D Slip tool
- 9 The "Phantom Power" (+48V) is typically required by which type of microphone?
A Dynamic
B Ribbon
C Condenser
D Carbon
- 10 Which connector is most commonly used for professional balanced audio cables?
A RCA
B TRS
C XLR
D BNC

Part – B (Do as Directed)

(10)

State whether the following statements are true or false

- 1 Sound travels faster through a vacuum than through air. (True/False)
- 2 A Wide Shot (WS) is typically used to establish the setting of a scene. (True/False)
- 3 "Foley" refers to the reproduction of everyday sound effects added in post-production. (True/False)
- 4 Increasing the "Gain" on a camera improves image quality in low light without adding noise. (True/False)
- 5 A 16:9 aspect ratio is standard for modern High Definition (HD) video. (True/False)
- 6 The "180-degree rule" helps maintain spatial consistency between characters. (True/False)
- 7 MP4 is a container format that can hold both video and audio data. (True/False)
- 8 A "Cardioid" microphone is most sensitive to sounds coming from the rear. (True/False)
- 9 Color Grading is the final step in the video editing process to achieve a specific look. (True/False)
- 10 Analog recording is generally more resistant to degradation over time than digital recording. (True/False)

