

Dr. Babasaheb Ambedkar Open University
Term End Examination June – 2026

Course	: BCADES WEF Aug-24	Date	: 05-06-2026
Subject Code	: BCADES-301(Animation)	Time	: 11:30am to 01:45pm
Subject Name	: Animation Production Process	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Explain the concept of pre-production in video production. Discuss idea generation, planning, script development, scheduling, and preparation activities.
2. Explain different types of lighting equipment and camera support systems used in video production.
3. Explain the video editing process in detail.
4. Explain the complete procedure for recording and mixing multi-track audio.
5. Discuss the process of script writing and budget preparation for a media production project.

Section B

Answer the following (Attempt any four) (20)

1. Explain the characteristics of a waveform and discuss the dynamic range of human hearing.
2. Differentiate between Analog Recording and Digital Recording with suitable examples.
3. Describe the importance of pre-production in the success of a video production project.
4. Write a note on the role of a producer in video production.
5. Describe the essential camera equipment used in video production.
6. Explain the responsibilities of an editor in post-production.

Section C

Part – A (Multiple Choice Questions) (10)

1. Which section of an audio mixer is used to add effects such as delay, echo, and reverberation?
A Monitor Section B Input Section
C Auxiliary Section D
2. In FM transmission, which property of the carrier wave is varied?
A Amplitude B Frequency
C Phase D Voltage
3. What is the standard sampling rate used for Audio CDs?
A 22.05 kHz B 32 kHz
C 96 kHz D 44.1 kHz

- 4 Which head in an Analog Tape Recorder is used to remove previously recorded information?
 A Erase Head B Record Head
 C Playback Head D
- 5 Which microphone can receive sound from all directions?
 A Cardioid B Hyper Cardioid
 C Omni-directional D
- 6 Which type of microphone operates on the principle of electromagnetic induction?
 A Condenser Microphone B Dynamic Microphone
 C Electret Microphone D Crystal Microphone
- 7 Which waveform represents a pure tone?
 A Square Wave B Saw-tooth Wave
 C Triangle Wave D Sine Wave
- 8 Frequency is measured in:
 A Decibel (dB) B Lambda (λ)
 C Hertz (Hz) D Volt (V)
- 9 Which organ in the inner ear contains tiny hair receptors that respond to different frequencies?
 A Pinna B Cochlea
 C Eardrum D Eustachian Tube
- 10 Sound Pressure Level (SPL) is measured in:
 A Hertz B Watt
 C Decibel D Volt

Part – B (Do as Directed)

(10)

State whether the following statements are true or false

- 1 Mixing is the process of balancing, leveling, and processing recorded audio tracks.
- 2 AM stands for Amplitude Modulation.
- 3 Quantization represents the time component of digital audio sampling.
- 4 XLR connectors are commonly used in professional audio systems.
- 5 A balanced audio cable contains positive, negative, and shield conductors.
- 6 The speed of sound in air at approximately 20°C is about 344 meters per second.
- 7 Lower frequencies have shorter wavelengths than higher frequencies.
- 8 Amplitude determines the loudness of a sound.
- 9 The human ear can normally hear frequencies from 20 Hz to 20 kHz.
- 10 Sound can travel through air, water, and metal.
