

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2026
(Third Semester)

Branch - VISUAL COMMUNICATION (ELECTRONIC MEDIA)

AUDIO PRODUCTION TECHNIQUES

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which connector is most commonly used for professional microphones? a) USB b) RCA c) XLR d) TRS	K1	CO1
	2	Bit depth in audio determines: a) Frequency range b) Dynamic range c) Sampling speed d) File size only	K2	CO1
2	3	Which control on a mixer adjusts the stereo position of sound? a) Gain b) Pan c) Fader d) EQ	K1	CO2
	4	Which meter displays loudness levels in audio mixers? a) LED meter b) Phantom meter c) PPM d) Patch meter	K2	CO2
3	5	The software used to record and edit multiple audio tracks is known as: a) MIDI b) DAW c) EQ d) SMPTE	K1	CO3
	6	Which device is used to amplify sound to studio monitors? a) Phantom power b) Power amplifier c) Line mixer d) Interface	K2	CO3
4	7	The process of replacing dialogue during post-production is: a) Foley b) ADR c) Equalization d) Compression	K1	CO4
	8	Which time code standard is internationally recognized for synchronization? a) SMPTE b) MIDI c) Hz d) WPM	K2	CO4
5	9	Which of the following is an example of a digital broadcasting format? a) AM b) FM c) DAB d) Shortwave	K1	CO5
	10	Which recent technology is being used in podcast production? a) Gramophone b) Cassette c) AI tools d) Vinyl	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Illustrate the basic recording chain in an audio studio.	K3	CO1
	(OR)			
	11.b.	Explain different types of microphone pickup patterns with examples.		
2	12.a.	Demonstrate how EQ and auxiliary send work in a mixer.	K3	CO2
	(OR)			
	12.b.	Explain the roles of buses and channel strips in mixing.		
3	13.a.	Analyze the workflow of editing, mixing, and mastering in DAW.	K4	CO3
	(OR)			
	13.b.	Evaluate the use of studio monitors in ensuring sound accuracy.		
4	14.a.	Critically analyze the significance of live sound recording in stage performances.	K4	CO4
	(OR)			
	14.b.	Examine the use of sound effects and Foley for animated films.		
5	15.a.	Assess the impact of podcasting as a new form of audio content production.	K4	CO5
	(OR)			
	15.b.	Evaluate the role of AI in automating audio post-production tasks.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Evaluate how cables, connectors and wireless systems affect audio quality in production.	K4	CO1
2	17	Critically assess the comparative benefits of analog vs. digital mixers in broadcast audio.	K4	CO2
3	18	Analyze the importance of monitoring methods (headphones, near-field, far-field) in a studio setup.	K4	CO3
4	19	Critically evaluate the challenges and opportunities of digital broadcasting standards like DAB and podcasting.	K5	CO4
5	20	Propose an innovative audio production workflow for creating a radio drama using DAW and AI tools.	K5	CO5

Z-Z-Z END