



	10	Which of the following describes a "bus" in audio mixing? a) A separate track used for vocals only b) A single audio channel that combines multiple tracks c) A plugin used for adding reverb d) A control that increases the bass in an audio signal	K2	CO5
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**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.	Describe the role of phantom power in audio production, and which types of microphones require it?	K2	CO1
		(OR)		
	11.b.	Elucidate the role of noise gates in recording, and how do they improve signal clarity?		
2	12.a.	Describe the role of a pop filter in a recording setup, and how it improves vocal recordings.	K3	CO2
		(OR)		
	12.b.	Distinguish the differences between dynamic, condenser, and ribbon microphones.		
3	13.a.	Describe the differences between TRS (Tip-Ring-Sleeve) and TS (Tip-Sleeve) connectors and their respective uses in audio connections.	K3	CO3
		(OR)		
	13.b.	Define the difference between low-frequency sounds (bass) and high-frequency sounds (treble) in audio production.		
4	14.a.	Describe the typical workflow of an ADR session, from recording to editing.	K3	CO4
		(OR)		
	14.b.	Explain the process of creating sound effects for cartoons. How does it differ from sound effects used in live-action films?		
5	15.a.	Explicate the key stages involved in producing a radio program.	K5	CO5
		(OR)		
	15.b.	Brief on the advantages of using AI-driven virtual instruments and synthesizers in music production		

**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	Explain the signal chain in an audio production environment. Why is signal flow important in achieving a clean sound?	K3	CO1
2	17	How do audio formats like WAV, MP3, and FLAC differ in terms of quality and usage?	K3	CO2
3	18	Illustrate MIDI, and how does it differ from traditional audio recording?	K3	CO3
4	19	Brief on the advantages and challenges of mixing for binaural audio or 3D sound environments?	K3	CO4
5	20	Detail the key components of a radio production setup, including equipment and software used for live broadcasting?	K5	CO5