#### PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

# MSc DEGREE EXAMINATION DECEMBER 2023

(First Semester)

#### Branch - ELECTRONIC MEDIA

#### **AUDIO PRODUCTION**

Time: Three Hours

Maximum: 75 Marks

#### SECTION-A (10 Marks)

Answer ALL questions

**ALL** questions carry **EOUAL** marks  $(10 \times 1 = 10)$ 

	·	ALL questions carry EQUAL marks	$(10 \times 1 =$	= 10)
Module No.	Question No.	Question	K Level	СО
1	1	Sound propagates maximum in a) Gas b) Liquid c) Solid d) All	K1	CO4
	2	The hearing range of human ear is a) 20 Hz to 20,000 Hz b) Less than 20 Hz c) More than 20,000 Hz d) 20 Hz to 25,000 Hz	K2	CO1
2	3	What is termed as one repetition of the pattern?  a) Cycle b) Frequency c) Velocity d) Wavelength	K1	CO4
	4	Which of the following is not an example of a harmonic overtone?  a) Guitar b) Flute c) Bell d) Trumpet	K2	CO3
3	5	microphones respond best to sound coming from the front and less to sound coming from the sides and rear.  a) Condenser b) Cardioid c) Dynamic d) Shotgun	K1	CO3
3	6	What is defined as the speaker which covers high audio frequencies?  a) Tweeter b) Squawker c) Woofer d) Crossover network	K2	CO3
4	7	What is the full form of VHF?  a) Very High Frequency b) Very Heavy Frequency c) Versatile Heavy Frequency d) Various High Frequency	K1	CO3
	8	Vu meter in the audio console depicts thelevel. a) Pitch b) Volume c) Frequency d) Signal	K2	CO4
5	9	should not be too low for the audio signal to be reconstructed to the original one in a digital recording system.  a) Phase b) Amplitude c) Frequency d) Sample rate	K1	CO3
	10	The amplitude modulation used in  a) TV pictures  b) Radio broadcasting  c) Facsimile transmission  d) All of the above	K2	CO5

## 22EMP104N/ 22EMP104 Cont...

### SECTION - B (35 Marks)

Answer ALL questions

**ALL** questions carry **EQUAL** Marks  $(5 \times 7 = 35)$ 

Module	ile Question						
No.	No.	Question	K Level	СО			
1	11.a.	Identify the term ADC in audio production and brief its features.					
	(OR)			COI			
	11.b.	Analyze the usage of a) Pop filter b) Windshield c) Lapel mic in sound recording.					
2	12.a.	Discover the primary purpose of MIDI equipment in the context of music production and performance.					
	(OR)		K4	CO4			
	12.b.	Examine on VST plugins which enhance the capabilities of digital audio workstations (DAWs) in music production.					
	13.a.	Classify dynamic processing in audio production, and how do tools like compressors and expanders affect the dynamic range of a sound signal?					
3	(OR)			CO3			
	13.b.	Examine the different audio file formats, and why is it important to choose the right format when working with audio recordings?	K4				
	14.a.	Identify the various types of radio programs commonly broadcasted, and how do they cater to different listener preferences and objectives?					
4	(OR)		1/2	005			
4	14.b.	Experiment with special audience programs, such as those focused on hobbies, sports, or cultural interests, and discuss the importance of tailored content in building dedicated listener communities.	K3	CO5			
5	15.a.	Compare community radio with other commercial or public broadcasting, and what role does it play in serving local communities?					
	(OR)		K5	CO2			
	15.b.	Justify Artificial Intelligence (AI) transforming the music industry, both in terms of music composition and listener experiences.					

#### SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EOUAL Marks  $(3 \times 10 = 30)$ 

Module No.	Question No.	Question	K Level	СО
1	16	Explain the key roles and responsibilities within a typical radio station, and how do they contribute to the smooth operation and content delivery of the station?	K5	CO1
2	17	Determine the key differences between wired and wireless operations in audio communication systems.	K5	CO2
3	18	Examine the common audio effects like time-based effects, modulation effect and explain their applications in both recording and mixing processes.	K4	CO4
4	19	Interpret on the factors which is consider before developing a youth-based program in radio, and how do they cater to niche or specific interest groups?	K5	CO3
5	20	Analyze on listenership studies and audience evaluations contribute to understanding the preferences and behaviors of radio audiences.	K4	CO5