



V SEMESTER B.TECH. (MEDIA TECHNOLOGY)

END SEMSTER EXAMINATIONS, MARCH 2021

SUBJECT: SOUND ENGINEERING [MED 3153]

REVISED CREDIT SYSTEM (23/03/2021)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

1A.	Explain the basic properties of sound waves.
1B.	If the speed of sound changes by 0.6m/s for every 1-degree Celsius change in the temperature, calculate the difference between the speed of sound in m/s, when it is travelling through air and the temperature is 22.5 degree Celsius and 31.5 degree Celsius respectively.
1C.	Draw a neat diagram of the auditory area of the brain and name the parts.
	[05 + 03 + 02]
2A.	What are the important factors to consider when choosing a metal for cables?
2B.	Explain standing waves and their effects on sound production.
2C.	Explain the characteristics of 4 digital cables.
	[05 + 03 + 02]
3A.	What is 'velocity' in digital sound? Explain its importance.
3B.	With a neat diagram show the signal chain of a MIDI.
3C.	Explain the process of making a Vinyl records.
	[05 + 03 + 02]
4A.	Explain the steps involved in the digitalization of sound.
4B.	Explain the best and the worst type of monitors for a 7 feet X 7 feet sound studio.

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4C.	Explain the steps involved in the digitalization of sound.
	[05 + 03 + 02]
5A.	With a neat diagram show the different miking systems used for stereo recording.
5B.	Explain the steps involved in post-production of sound.
5C.	Explain the working of a CD.
	[05 + 03 + 02]