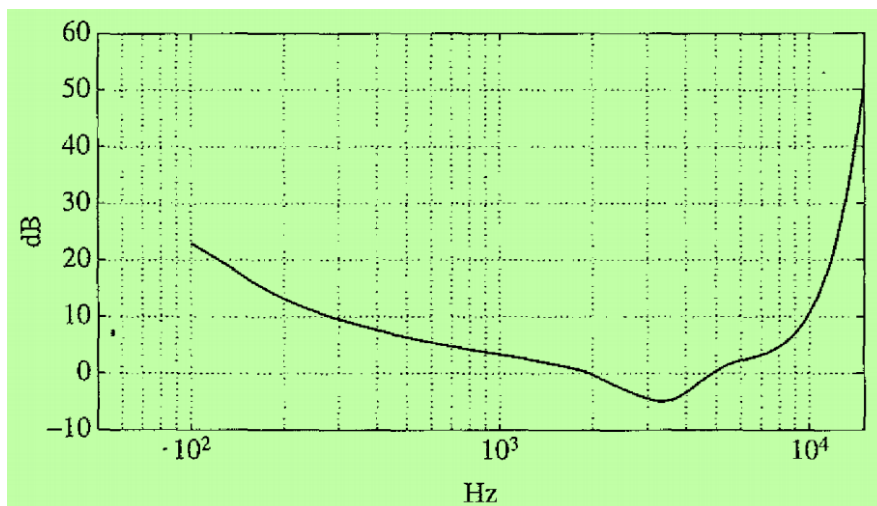


Practice Assignment (PA) 7 and 8

1. The following table contains various acoustic tones present in a spectral contents of a speech/voice with their respective sound level.

Sound/Tones name	Frequency (in KHz)	Sound Level (in dB)
A	0.1	20
B	1	0
C	3	0
D	5	0
E	10	15

With respect to the following hearing threshold characteristics, classify the above sounds into two groups, namely, "audible" or "not audible". Explain your justification for each sound.



2. How the concept of temporal masking can be utilized to compress the audio data? Provide your explanation with a suitable figure/diagram.
3. Differentiate between MPEG-1 and MP3?

Instructions:

1. You should upload this PA in Sejong University Blackboard after you log-in with your ID
2. **Upload either PDF or Microsoft word document.**
3. Only a single file should be uploaded
4. Student name and student number should be clearly written on the top of the uploaded document.
5. Deadline: November 30, 2017.