

國立臺北護理學院九十六學年度碩士班招生

聽 語 障 礙 科 學 所

聽 力 科 學 試 題

注 意	1. 請用 <u>中文或英文</u> 作答。 2. 請標明題號依序於 <u>答案卷</u> 上作答。
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- I. Please briefly define the following terminology: (20 %)
1. dB SPL rms (deci-Bel Sound Pressure Level root-mean-square)
 2. dB SL (deci-Bel Sensation Level)
 3. amplitude spectrum
 4. resonant frequency
- II. Please describe the filter function of the stimulus sound provided by the outer ear and the middle ear. (20 %)
- III. Please explain the acquisition of tuning curve from a point on the basilar membrane, based on the concept of traveling wave in the cochlea. (20 %)
- IV. Please describe the encoding mechanism of auditory nervous system for sound stimulus intensity. (20 %)
- V. Please describe the following terms of the psychoacoustics: (20 %)
1. equal loudness contour
 2. theory of signal detection
 3. temporal integration
 4. masking level difference