

國立臺北護理學院九十九學年度碩士班招生

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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申論題 (每題 20 分)

1. Define and compare the following terms regarding the expression of sound intensity:
 - (1) dB SPL rms (deci-Bel Sound Pressure Level root-mean-square)
 - (2) dB HL (deci-Bel Hearing Level)
 - (3) dB SL (deci-Bel Sensation Level)
 - (4) dB (deci-Bel)
2. Please describe the impedance matching mechanism and the filter function of the middle ear system.
3. Please describe the fine structures as well as compare the functional roles of the inner hair cells and the outer hair cells.
4. Please describe the function of the auditory nerve.
5. Please describe the psychoacoustic methods for measuring the threshold of hearing.