

國立嘉義大學九十三年學年度

教育科技研究所碩士班招生考試試題

科目：資訊教育概論

一、請閱讀下方之英文文章，並回答下列問題

The notion of a digital divide (DD) has inspired the activity of government, business, and academia. Each of these communities carries differing sets of means, motives, and responsibilities; however, they generally agree that the DD must be bridged. The phrase "digital divide" is actually a distilled label for a relationship between the information haves and have-nots. As a metaphor, the phrase works well. Meaning that, the word "divide" signifies an information barrier between different groups. However, the problem with the metaphor is that it focuses too much attention upon the *divide* as opposed to the divided. Gilmore (2000) explained candidly, "lets stop pretending that we've solved all that much when we run some wiring through the crumbling walls of a public school...all we've done is install hardware, the easy part of the job." As currently conceptualized, the DD is a hardware problem. A problem solved when the barriers to access are removed. In contrast, a "social DD" incorporates the social, cognitive, and communicative barriers proven to affect technology perception and use. It is the aim of this essay to re-conceptualize the DD for educators away from a simple lack of access and toward the social, cognitive, and communicative factors that truly divide groups.

1. 文章中所稱的 " digital divide " ，請簡略說明此名詞的意義。(10%)
2. 在現今我國的社會中，你認為哪些人是屬於文章中所提的 " the information have-nots " ？(10%)
3. 目前許多人認為 " digital divide " 只是硬體設備的差距而已，但是作者卻認為社會、認知、溝通上的障礙會影響科技的使用。就國內的資訊教育現況而言，你贊同哪一方的論點？請以具體的實例或做法說明你的觀點。(20%)

二、請說明什麼是「Big 6 Model」？它包括了哪些內涵？在資訊發達的時代，將Big 6融入學生的學習活動中，可讓學生獲得哪些學習效益？最後請以一個實際的教學案例，來具體說明 Big 6 Model 的歷程。(30%)

三、當你在進行資訊科技融入教學時，會用到哪些硬體設備？請詳細說明你應用這些設備於學生學習活動的策略有哪些？此外，如果你常常碰到學校資訊硬體設備不夠充足，會有哪些教學修正策略，使得教學仍然獲得良好的成效呢？(30%)