

## 國立台灣科技大學九十五學年度博士班招生試題

系所組別：設計研究所博士班甲組、乙組

科目：研究方法

請以中文依序回答下列三題，總分 100 分

1. Nonexperimental research methods include observation (i.e., participant vs. nonparticipant), archival investigation, case study, and survey. Explain the concepts of these methods and state their advantages and disadvantages. (30%)
2. Please propose a 2 x 4 factorial design based on a design problem. In this research design, the statistical results indicate that both of the main effects are not statistically significant, but the interaction is statistically significant. How do you explain the research findings? (30%)
3. 我們常常聽人說「夫婦臉」，意思是說夫婦常常會長的很像，如果把「夫婦臉」做為一個研究的主題，請你構思一個研究題目，並說明研究方法如何進行。(40%)