

# 國立彰化師範大學 96 學年度博士班招生考試試題

系所：商業教育學系

科目：研究方法

☆☆請在答案紙上作答☆☆

共 1 頁，第 1 頁

1. Define internal and external validity of a research study. (10%)
2. Why is it true that if a research study is completely lacking in internal validity, it also lacks external validity? (10%)
3. A study is proposed to determine the accounting achievement of business high school students in Taiwan. A sample of juniors is to be measured.
  - (1) Discuss how the condition of random selection differs from stratified random sampling and cluster sampling in terms of including strata, clusters, and the members of the strata or clusters. (15%)
  - (2) What would be possible variables if a stratified random sample were selected? (5%)
4. A business high school teacher is interested in doing research on whether or not a cooperative teaching approach to economics teaching improves economics achievement of high school students over other approaches.
  - (1) Develop a problem statement of the study. (10%)
  - (2) Identify the independent variable(s), dependent variable(s), and intervening variable(s) of this study. (15%)
  - (3) Develop three or more related hypotheses. (10%)
  - (4) Develop a research design to control the variance due to the intervening variable(s). (25%)