

國立雲林科技大學資訊管理系 114 學年度 第 1 學期博士班資格考

科目：**Research Method**

時間：~~4 hours~~ (Closed book) 作答時，請注意各題之比例配分，並清楚標示題號
3.5 hours

Part I 50%

Please tell the differences between the following terms (30%, each question with 5%)

(A)

- Q1.** moderated variable vs mediated variable
- Q2.** operational definition vs conceptual definition
- Q3.** pretest vs pilot study
- Q4.** internal validity vs external validity
- Q5.** true experiment vs quasi experiment
- Q6.** open code vs axial code

(B)

Please refer to the paper titled “**When and why technology leadership enters the C-suite: An antecedents perspective on CIO presence**” and answer the following questions.

1. Please criticize this paper from the “variables scale” perspective?(10%)
2. Please criticize this paper from the “validity” perspective?(10%)

Part II. (50%)

Please refer to the paper titled “**Tacit knowledge acquisition & sharing, and its influence on innovations: A Polish/US cross-country study**” and answer the following questions.

1. Conduct a thorough analysis of the research design and methodologies used in this study. How are these methods applied to address the research questions? Why do you think these methods are appropriate? Provide specific examples. (20%)
2. Based on your methodological knowledge, explain the strengths and limitations of the methods employed in this study. If you were the researcher, how would you enhance the rigor and validity of the study? Provide concrete design improvements or practical suggestions. (15%)
3. Compare the roles of mediation effects and interaction effects in theoretical development and model design. Describe how mediation effects are empirically tested in this study. (15%)