

國立雲林科技大學資訊管理系
108 學年度第 1 學期博士班資格考

科目：Research Method

時間：4 hours (Closed book)

**Please pay attention to the proportion of each question,
and clearly mark the question number**

Part A 50%

1. From the book: Irwin Co. Donald R. Cooper & C., Business Research Methods. Please draw up a Figure of research process containing its sequence. 10%
2. In reference book “Irwin Co. Donald R. Cooper & C., Business Research Methods, there are several questions to be answered in securing a sample. Each requires unique information. Please answer the following problems: 20%
What is the target population?
What are the parameters of interest?
What is the sampling frame?
What is the appropriate sampling method?
What size sample is needed?
3. According to Robert K. Yin, What is a case study? What are the steps of case study? 10%
4. From case study research of Robert K. Yin, Please write out four criteria for judging the quality of research design and explain their contents. 10%

Part B 50%

● **For the Qualifying Exam, you are expected to be scientifically conversant in the chosen subject and demonstrate critical thinking about the selected articles. You have to adhere to the highest standards of intellectual and professional integrity.**

● **In the Qualifying Exam, you are not allowed to use additional devices such as an electronic translator or phones/tablets.**

1. Please use the paper entitled “**Methods 1**” as materials to answer the following questions. (25%)
 - a) Conduct an overall summary of the recent proposed mixed methods in your own explanation. Discuss the value, purposes, and principles of mixed methods in IS research.
 - b) Propose a research framework by applying mixed methods to design your study.
2. Please use the paper entitled “**Methods 2**” as materials to answer the following questions.. (25%)
 - a) This study adopted a multiple-method approach, explain all the details regarding what

they have done in the research methodology. Can you improve the rigorous of their research design? If so, please discuss it and list all of your comments.

- b) Please explain how they proceed with experimental design? Why do they consider this methodology is necessary and sufficient in the research design?
- c) How do they advance the theoretical and methodological contribution? Provide a comprehensive summary with your own judgements.