

中原大學 109 學年度碩士班考試入學

109/3/4 8:00 AM~9:30 AM

心理學系一般心理學組、心理學系臨床心理學組

誠實是我們珍視的美德，
我們喜愛「拒絕作弊，堅守正直」的你！

科目：心理學方法

(共4頁，第1頁)

■可使用計算機(僅限於四則運算、三角函數及對數等基本功能，可程式之功能不可使用)

□不可使用計算機

----- (不可直接作答於試題，請作答於答案卷) -----

Research Methods

1. There are three required conditions for claiming the existence of a causal relationship effect. Please describe these three required conditions (8 points).
2. There are several issues to consider when conducting research. Please explain the following issues: (a) active deception and passive deception (4 points); (b) debriefing, dehoaxing, and desensitization (6 points); (c) privacy and anonymity (4 points).
3. There are several control techniques for conducting a between-subject experiment. Please explain the following techniques: (a) random assignment (4 points); (b) matching by holding the variable(s) constant (4 points); (c) matching by building the extraneous variable(s) into the research design (4 points).

Psychological Testing

4. Please compare the traditional and contemporary perspective on validity. (16 points)
5. There are three major approaches to development of objective personality tests, please illustrate the criterion-keyed method. (9 points)
6. In some studies, more than two raters are used. For example, there are four raters independently rate the creativity of 50 individuals. Ratings are made on a 20-points scale. Explain how to express the inter-rater agreement in this situation. (8 points)

Statistics

7. Professor Yang conducted an independent-measures study and obtained the following data. Is there evidence for a treatment effect? Test with $\alpha = 0.05$ two tails. (10 points)

<u>Treatment 1</u>	<u>Treatment 2</u>
3	12
5	10
7	8
1	14

8. The following data are from an experiment examining the phenomenon of encoding specificity. According to the psychological principle, recall of information will be best if the testing conditions are the same as the conditions that existed at the time of learning. Do these data (20 subjects) indicate that the size of the lecture room and/or testing room has a significant effect on test performance? ($\alpha = 0.05$) (13 points)

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Testing Condition

		large	small
		testing	testing
		room	room
Lecture Condition	large	15	5
	lecture	20	8
	room	11	1
		18	1
		<u>16</u>	<u>5</u>
	small	1	22
	lecture	4	15
	room	2	20
	5	17	
	<u>8</u>	<u>16</u>	

9. Complete the following table base on the data which shows IQ predicting GPA. Interpret the results. ($\alpha=0.05$) (10 points)

IQ	110	112	118	119	122	125	127	130	132	134	136	138
GPA	1.0	1.6	1.2	2.1	2.6	1.8	2.6	2.0	3.2	2.6	3.0	3.6

Model	Sum of Squares	df	Mean Squares	F
Regression				
Residual				
Total				

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(Statistical Tables)

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(Statistical Tables)