單選題 每題5分 共50分

1. Patti studies the behavior of preschool children by watching them play at a local daycare center. While doing this, she is careful to find a spot where she will be completely unnoticed by the individuals she is observing. Patti is most likely using a ____ approach to studying the children.

   A. structured observation

   B. correlational

   C. self-report

   D. naturalistic observation

2. Carrie is most interested in studying adolescent behavior occurring at a high school prom. Which method is most likely to help her accomplish this goal?

   A. structured observation
   B. naturalistic observation
   C. self-report
   D. experiment

3. Which research method must always occur in a real-life setting?

   A. experiment

   B. structured observation

   C. naturalistic observation

   D. systematic observation

4. Liat takes notes on the behaviors exhibited by college students attending a frat party. This study would best be described as

   A. longitudinal

   B. systematic observational

   C. experimental

   D. sequential

5. Dr. Piro Knesis stages a fire drill at the elementary school in order to study how children respond to potential emergency situations. Dr. Knesis's method would best be described as a(n)

   A. structured observation
   B. naturalistic observation
   C. self-report
   D. experiment

6. Dr. Rubeus is studying how teenagers think about high school by asking them to answer several questions related to their classroom experiences. It is most likely that Dr. Rubeus's research involves a(n) ____ method.

   A. naturalistic observation
   B. structured observation
   C. experiment
   D. self-report

7. Which method of measuring behavior is most likely to be used in combination with other behavioral measures?

   A. physiological measures
   B. self-reports
   C. naturalistic observation
   D. sampling behavior with tasks

8. Dr. Nuriama is interested in studying the way people spend their time when they are in their homes alone. Which method is Dr. Nuriama most likely to use for this study?

   A. physiological measures
   B. naturalistic observation
   C. structured observation
   D. self-reports

9. Dr. Simpson's students were rightfully upset when he used very accurate weight scales (assessing the poundage of each pupil) to determine their grades in a developmental psychology class. This is partially because his method of assessment lacked

   A. a sufficient sample size
   B. reliability
   C. validity
   D. the ability to identify practice effects

10. Harold is upset with his grade on his developmental psychology test and says, "I bet if I would've taken that test at another time, I would have done much better." Harold's complaint deals most directly with the questionable ____of the test.

    A. validity
    B. sample
    C. reliability
    D. population

簡答題 共 50 分

1. 多數研究最後會將測量結果轉換為標準分數(z 分數)，或說明組間測量結果差異約多少百分比。以兩組測量結果的標準分數分別是 1.64 與 0.67 來說，請解釋為何組間差異約 20%？
   （10 分）

2. 任何推論統計結果都會報告 p 值。請解釋 p 值的定義，以及使用 p 值解讀研究結果的限制。
   （20 分）

3. 現代研究報告規範報導描述統計除了平均數及標準差之外，也要報導信賴區間。有份採用隨機分派設計的焦慮減緩療程研究報告提到：實驗組與控制組的平均數差異約 5.2，95%信賴區間為 -0.5 ～ 9.6。請解釋研究報告應該如何正確解讀？如果沒有報導信賴區間會導致什麼問題？

（20 分）