

## 12. THE SABOTAGED LOGIC QUIZ

As a youth, Dr. X was to take a ten-question multiple-choice logic quiz in a university class; his nemesis, however, was set on seeing to his failure. Before Dr. X received his copy of the quiz, his nemesis tore off the last three questions. Then, as if that was not enough, he was so determined to see that Dr. X received a failing grade, that he took a black magic marker and obscured questions three and five, rendering them completely unreadable. Satisfied that only half of the questions could now be read, he finally let Dr. X have the quiz, thinking that a failing grade was inevitable. As you may have surmised, Dr. X rose to the challenge, and produced all ten correct answers, acing the quiz. Given only the following questions below, how did he manage to do it?

- \_\_\_ 1. Which of these lists describes the content of the ten correct answers on this quiz?
  - A. two As, three Bs, four Cs, and one D.
  - B. three As, two Bs, two Cs, and three Ds.
  - C. two As, two Bs, three Cs, and three Ds.
  - D. three As, one B, four Cs, and two Ds.
  
- \_\_\_ 2. If the ten correct answers on this quiz are listed in order, which sequence of answers does NOT appear consecutively?
  - A. BDC
  - B. CAB
  - C. DBA
  - D. DCB
  
- \_\_\_ 3. If the... (*obscured*)
  
- \_\_\_ 4. Which questions have the same letter for an answer?
  - A. 1 and 3
  - B. 4 and 6
  - C. 2 and 9
  - D. 5 and 7
  
- \_\_\_ 5. What is the... (*obscured*)
  
- \_\_\_ 6. If the ten correct answers on this quiz are listed in order, which letter answer appears twice or more consecutively?
  - A. C
  - B. A
  - C. D
  - D. B
  
- \_\_\_ 7. In the answers to the ten questions on this quiz, which letter is most often used as the correct answer?
  - A. B
  - B. C
  - C. D
  - D. A
  
- \_\_\_ 8. (*missing*)
  
- \_\_\_ 9. (*missing*)
  
- \_\_\_ 10. (*missing*)