

2003 AP[®] PSYCHOLOGY FREE-RESPONSE QUESTIONS

PSYCHOLOGY

SECTION II

Time—50 minutes

Percent of total grade— $33\frac{1}{3}$

Directions: You have 50 minutes to answer BOTH of the following questions. It is not enough to answer a question by merely listing facts. You should present a cogent argument based on your critical analysis of the questions posed, using appropriate psychological terminology.

1. A. Statistics are often used to describe and interpret the results of intelligence testing.
 - Describe three measures of central tendency (mean, median, and mode).
 - Describe a skewed distribution.
 - Relate the three measures of central tendency to a normal distribution.
 - Relate the three measures of central tendency to a positively skewed distribution.
 - An intelligence test for which the scores are normally distributed has a mean of 100 and a standard deviation of 15. Use this information to describe how the scores are distributed.
 - In two normal distributions, the means are 100 for group I and 115 for group II. Can an individual in group I have a higher score than the mean score for group II? Explain.
- B. Apply knowledge of psychological research in answering the following questions about intelligence scores.
 - Explain why norms for standardized intelligence tests are periodically updated.
 - Describe how to determine whether an intelligence test is biased.

2003 AP[®] PSYCHOLOGY FREE-RESPONSE QUESTIONS

2. A. Define the following psychological concepts.
- Cognitive dissonance
 - Conformity
 - Incentive motivation
 - Negative reinforcement
 - Physiological addiction
- B. Use one specific example for each of the concepts in part A to explain how the concept might relate to either the development of or the continuation of a smoking habit. It is not necessary to use the same example for each concept.

END OF EXAMINATION