

PSYCHOLOGY
SECTION II Time-
50 minutes

Percent of total grade-33.3

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.

