Lecture Series: Chapter 10 Intelligence


Principal Features

What is Intelligence?

Question: What is the psychological working definition of intelligence? (333)

Theories of Intelligence—One Ability or Many?

"Clearly, all people do not act intelligently all of the time. The realization of individual differences in behavior has been a problem for psychology from its beginnings."

WECHSLER'S THEORY.

Question: What is David Wechsler's theory of intelligence?
Theories of Intelligence—One Ability or Many?

(Continued)

■ FACTOR THEORY.

Question: What are the factor theories of intelligence? (333-334)

■ JENSEN'S TWO-LEVEL THEORY.


■ VYGOTSKY'S VIEW.

Question: What is Lev Vygotsky's theory of intelligence? (334-335)
Theories of Intelligence—One Ability or Many?
(Continued)

■ GARDNER’S MULTIPLE INTELLIGENCES.

Question: What is Howard Gardner's theory of intelligence? (335)

■ STERNBERG’S TRIARCHIC THEORY.

Question: What is Robert J. Sternberg's theory of intelligence? (336-338)
Emotions—A Different Kind of Intelligence?

Question: What is Daniel Goleman's theory of intelligence? (338-339)

The Process of Test Development

"Intelligence tests have a long history."

Question: What was Alfred Binet's contribution to the psychological testing movement? (339)
Developing an Intelligence Test

■ WHAT DOES A TEST MEASURE?.

Question: What does a psychological test attempt to measure? (340)

■ STANDARDIZATION.

Question: What is the standardization process of developing intelligence tests?

■ NORMAL CURVE.

Question: What is the statistical normal curve and how is this analysis used in intelligence testing?
Question: What is the difference between a raw score and a standard score in intelligence testing?

INTELLIGENCE QUOTIENTS.

Question: What is the traditional calculation of intelligence?

Reliability

Question: What is the concept of reliability in intelligence testing?
Validity

Question: What is the concept of validity in intelligence testing?

■ TYPES OF VALIDITY.

Question: What is the content validity in psychological testing?

Question: What is the predictive validity in psychological testing?

Question: What is the face validity in psychological testing?
CRITICISMS OF INTELLIGENCE TEST VALIDITY.

Question: What's the meaning of the following statement?

"Critics cite six basic problems concerning the validity of intelligence tests."  

Four Important Intelligence Tests

The Standard-Binet Intelligence Scale

Question: What does the Stanford-Binet Intelligence Test attempt to assess? 

(342-344)
The Wechsler Scales

Question: What do the Wechsler Scales of Intelligence attempt to assess? (345-346)

The Kaufman Assessment Battery for Children

Question: What does the Kaufman Assessment Battery for Children attempt to assess? (346-347)

The Woodcock—Johnson

Question: What does the Woodcock—Johnson of Intelligence attempt to assess? (347)
"The political, cultural, and scientific issues involved in the debate about what intelligence is and what intelligence tests actually measure are complicated."

**Cultural Biases?**

**Question:** What's the meaning of the following statement?

"A major argument against IQ testing is that tests are culturally biased and thus effectively discriminate against people who do not resemble the test makers … "

**Cultural Dimensions of Intelligence**

**Question:** What are some of the cultural dimensions of intelligence testing?
Environmental and Genetic Impact

Question: What was Sir Francis Galton's contribution to the psychological testing movement?

HERITABILITY.

Question: What is the research technique known as heritability study and how is it used to study environmental and genetic impacts on intelligence?
Evolution and Intelligence

Question: What does the evolutionary perspective say about intellectual development?

The Stability of Intelligence Test Scores

Question: Do intelligence scores remain stable over a long time?

Are There Gender Differences in Intelligence?

Question: What are the conclusions of the studies investigating gender difference in intelligence?
"The American educational system is oriented toward testing for and teaching special or exceptional children."

**Giftedness**

**Question:** What's the meaning of the following statement?

"Defining who is gifted and what gifted behaviors are turns out to be a complicated task."

**Special Education—IDEA**

**Question:** What's the meaning of the following statement?

"Since IDEA, there has been a shift toward mainstreaming …"
Mental Retardation

"The term mental retardation covers a wide range of behaviors … "

■ DEFINITION.

Note in this section the definition of mental retardation proposed by the American Association on Mental Retardation.

Question:  What observation do psychologists make when working with mentally retarded people? (359)

■ LEVELS OF RETARDATION

"A diagnosis of mental retardation involves three criteria …"

Question:  What is the diagnosis of mild retardation? (359-360)

Question:  What is the diagnosis of moderate retardation? (360)
LEVELS OF RETARDATION

Question: What is the diagnosis of severe retardation?

Question: What is the diagnosis of profound retardation?

MAINSTREAMING.

Question: What are the positive outcomes of mainstreaming the mentally retarded?

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