



CLASS - 12

PSYCHOLOGY

Chapter - 1

Variations in Psychological Attributes

Part - 3

Variations of Intelligence

Sonal Koul



OVERVIEW





- 1. Individual differences in human functioning
- 2. Assessment of psychological attributes
- 3. Intelligence
- 4. Theories of intelligence
- 5. Variations of intelligence
- 6. Intelligence tests
- 7. Culture and intelligence
- 8. Emotional intelligence
- 9. Creativity







INTELLIGENCE : INTERPLAY OF NATURE & NURTURE

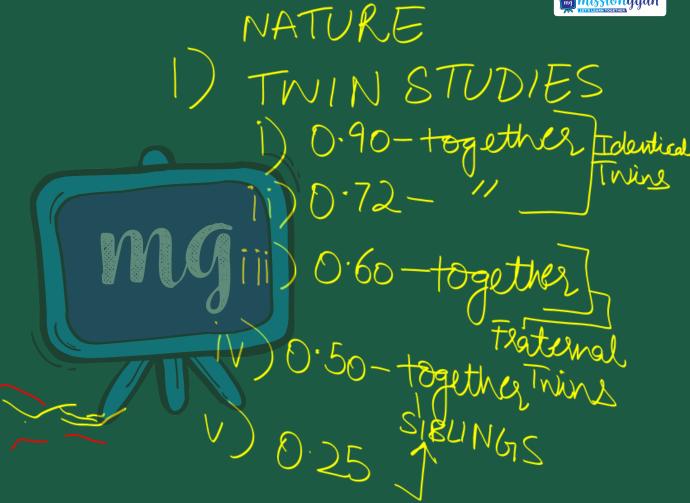
Nature (Heredity)



- © Genetic factors shape intelligence & personality.
 - Influence the environment one chooses
 - Twin Studies & Adopted children

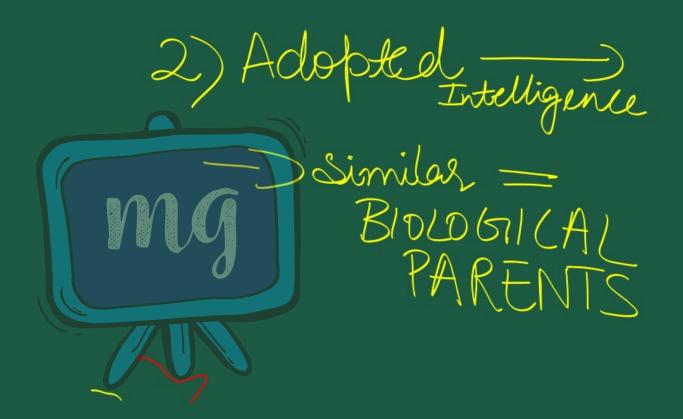
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2. Nurture (Environment)

Quality schooling, nutrition, and facilities

improve IQ. INTELLI GENCE 1

Children from poor backgrounds show IQ gains when adopted into high-SES families.







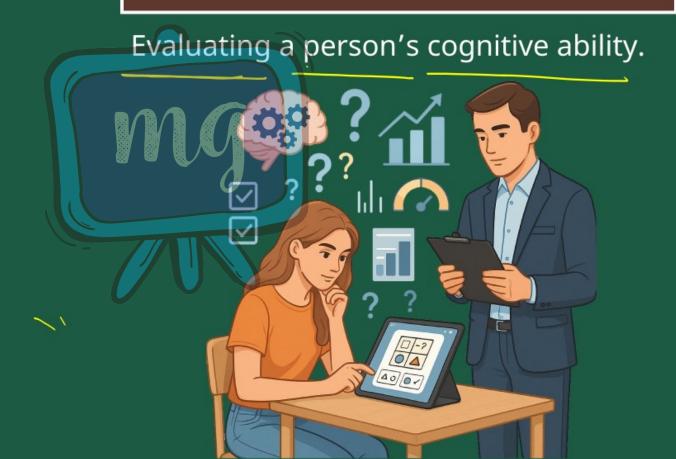
3. Conclusion

Intelligence is shaped by both genetics and environment.





ASSESSMENT OF INTELLIGENCE



BINETXSIMON MENTAL IQ (Intelligence Quotient) A6

- - Proposed by William Stern (1912)

$$\frac{IQ}{CA} = \frac{MA}{CA} \times 100$$

$$MA = Mental Age$$

CA = Chronological Age

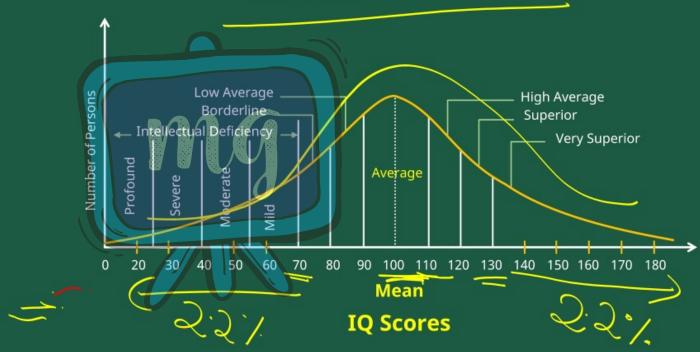
Interpretation RETARDATION

- \Leftrightarrow MA > CA \rightarrow High IQ
- \Rightarrow MA < CA \rightarrow Low IQ













INTELLECTUAL DEFICIENCY (PER AAMD DEFINITION)

Significantly below-average intellectual functioning with deficits in adaptive behavior, appearing during the developmental

period.







Types of Intellectual Deficiency

(Based on IQ Levels)

- 1. Mild (IQ 55-69)
 - Slight delay in development
 - Can manage basic jobs, family

life

Needs minimal support







Clear language and motor delays

Needs moderate supervision

A Can learn basic communication

and self-care









Limited communication

Needs constant care & supervision













First studied in detail by Lewis

Terman (1925) through a case study

of 1500 children with IQ > 130 to

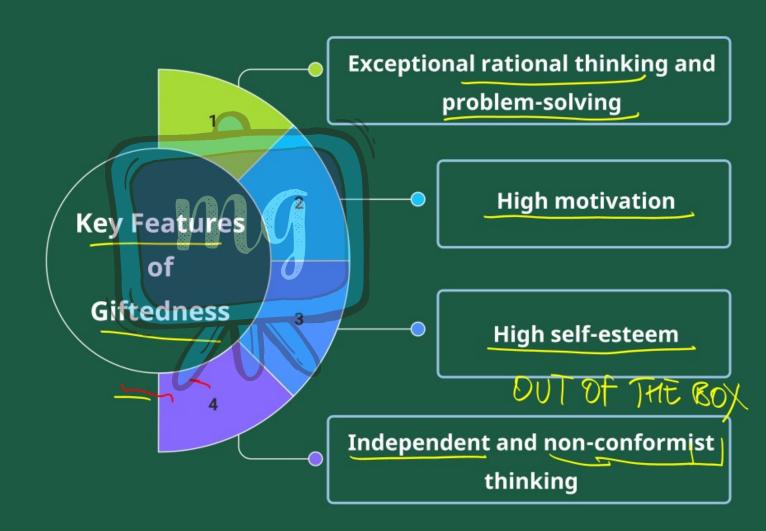
explore intelligence across life

domains.

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 Giftedness = Exceptional ability in multiple areas; often confused with talent (specific ability).

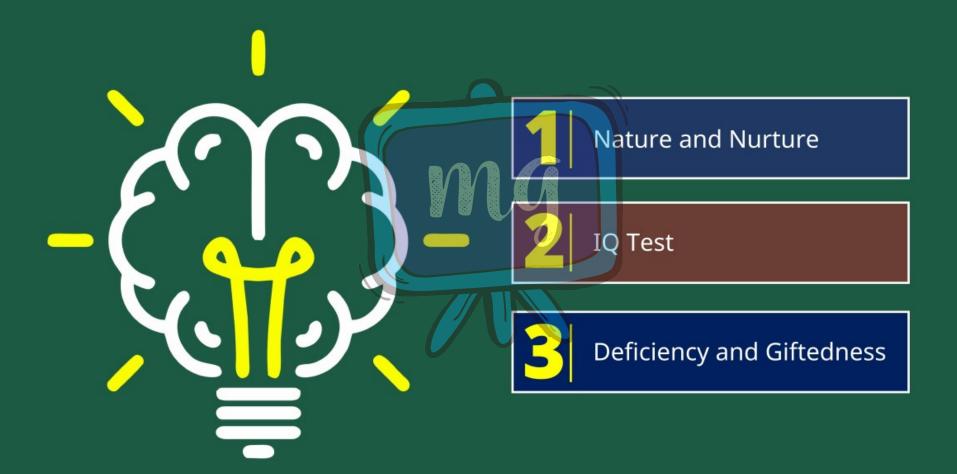






LEARNING OUTCOMES

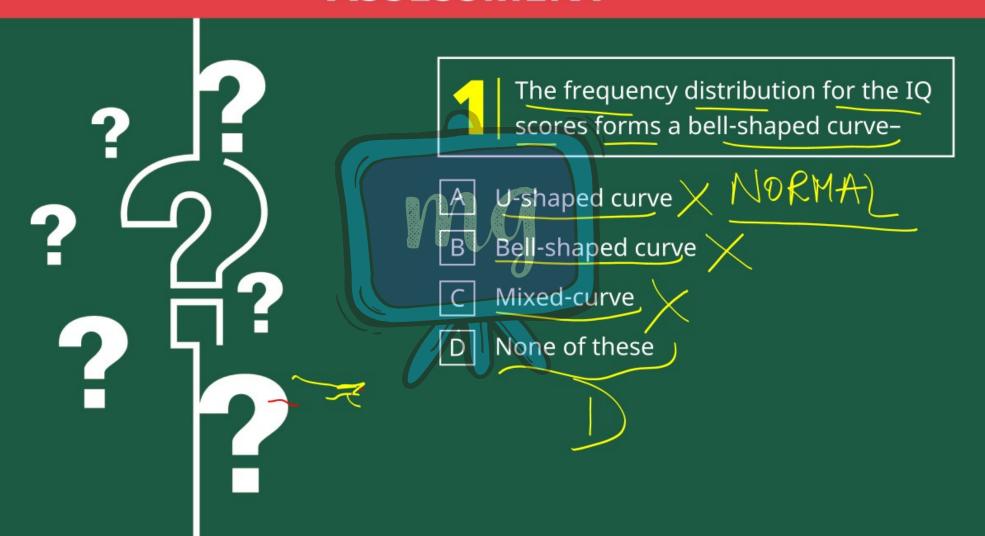






ASSESSMENT







ASSESSMENT



