Drafted By: Vishal Pandey - Learn Psychology with Vishal Pandey

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Variations in Psychological Attributes

Intelligence
(Alfred Binet)
(Wechsler)
(Gardner & Stenberg)

Assessment of Psychological Attributes
1. Formal Assessment
2. Informal Assessment)

Domains of Psychological Attributes
1. Intelligence
2. Aptitude
3. Interest
4. Personality
5. Values

Assessment
1. Psychological Test
2. Interview
3. Case Study
4. Observation
5. Self-Report

Individual Differences in Human Functioning
Individual Differences
Situationism

Theories of Intelligence

Psychometric Approach

Alfred Binet

Uni or One-Factor Theory

Charles Spearman 1927

Two Factor Theory
1. G-Factor
2. S-Factor

Louis Thurstone

Primary Mental Abilities
1. Verbal Comprehension
2. Numerical Abilities
3. Spatial Relations
4. Perceptual Speed
5. Word Fluency
6. Memory
7. Inductive Reasoning

Arthur Jensen

Hierarchal Model of Intelligence
1. Level One (Associative
2. Level Two (Cognitive Competence)

J.P Guilford

Structure of Intellect Models
1. Operations
2. Contents
3. Products

Information Processing Approach

J.P. Das, Kirby, Jack Naglieri (1994)

PAAS Model
1. Planning,
2. Attention - Arousal &
3. Simultaneous-successive

Cognitive Assessment system

Robert Stenberg (1985)

Triarchic Theory of Intelligence
1. Componential
   a. Meta Components
   b. Performance
   c. Knowledge
2. Experiential Intelligence
   a. Novelty
   b. Auto Motion
3. Contextual
   a. Adaptation
   b. Selection
   c. Shaping

Howard Gardner

Theories of Multiple Intelligence
1. Linguistic
2. Logical-Mathematical
3. Musical
4. Bodily-Kinesthetic
5. Interpersonal
6. Intrapersonal
7. Naturalistic
8. Spatial

Individual Differences in Intelligence

Interplay of Nature & Nurture

Identical twins reared together	0.90
Twins separated early in childhood	0.90
Identical twins in different	0.72
Fraternal twins in same environment	0.60
Siblings reared together	0.50
Siblings reared apart	0.25

Assessment of Intelligence
(Alfred Binet & Throdore Simon, 1905)

IQ = (MA/CA) * 100
MA = Mental Age
CA = Chronological Age

Variations of Intelligence
1. Intellectual Deficiency
2. Intellectual Giftedness

Types of Intelligence Tests
1. Individual or Group Tests
2. Verbal, Non-Verbal or Performance
   a. Raven's Progressive Matrices
3. Culture Fair or Culture-Biased Tests

Intelligence testing in India

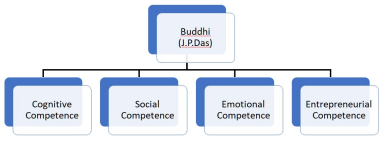
S.M.Mohsin (1930)
C.H.Rice - Binet's test in Urdu & Punjabi
Mahalanobis - Binet's test in Bengali
Long & Mehta - 103 tests of intelligence in India

Culture & Intelligence
- *Sternberg's* notion of contextual or practical
- *Vygotsky*
  - Technological Intelligence

Intelligence in the Indian Tradition

Integral Intelligence

Buddhi - *J.P.Das*



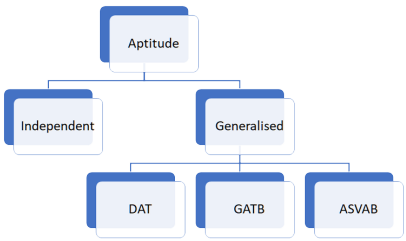
Emotional Intelligence

Salovey & Mayer

Emotional Quotient (EQ)

Special Abilities

1. **Aptitude : Nature & Measurement**
   a. Independent (Specialised aptitude) test
      i. Clerical Aptitude
      ii. Mechancial Aptitude
      iii. Numerical Aptitude
      iv. Typing Aptitude
   b. Multiple (Generalised aptitude) test
      i. Differential Aptitude Tests (DAT)
         1) Verbal Reasoning
         2) Numerical Reasoning
         3) Abstract Reasoning
         4) Clerical Speed & Accuracy
         5) Mechanical Reasoning
         6) Space Relations
         7) Spelling
         8) Language Usage
      ii. General Aptitude Tests Battery (GATB)
      iii. Armed Services Vocational Aptitude Battery (ASVAB)
2. **Interest**



Creativity

Terman (1920)

Creative -> Divergent Thinking
Intelligent -> Convergent