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*Shaping Lives...
Empowering Communities...*

Welcome to Rural Sociology and Educational Psychology

SESSION 8

INTELLIGENCE

CHITRASENA PADHY

ASSISTANT PROFESSOR

AGRICULTURAL EXTENSION



INTELLIGENCE

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- **Intelligence** is the ability of an individual to make profitable use of past experience – **Thorndike**
- **Intelligence** is the organization of abilities to learn a group of facts with alertness and accuracy to exercise mental control and display flexibility in seeking the solution of problem
- – **Skinner**





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Three types of intelligence:

- **Abstract intelligence or cognitive ability:**
- **Concrete intelligence or mechanical intelligence or motor ability:**
- **Social intelligence or social ability:**





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Abstract intelligence

Abstract means which is not physically existing e.g. alphabets, numbers etc.

Ability to understand and deal with verbal and mathematical symbols

Philosophers and **Professional people** e.g. vocabulary, language, relational concepts etc



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Concrete Intelligence

Concrete means which is physically existing
e.g. implement, object etc

e.g: Industrial and building traders





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Ability to understand and deal with persons

Salesmen, politicians, leaders possess this intelligence.

**SOCIAL
INTELLIGENCE**





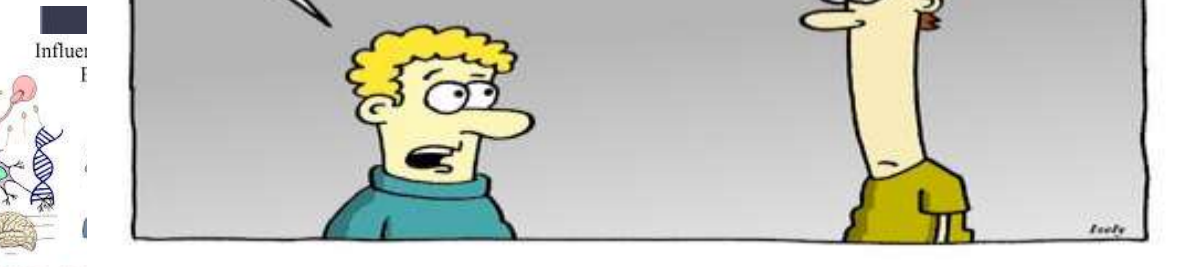
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Factors affecting Intelligence

- Heredity and Environment
- Age
- Race and Nationality
- Culture:
- Health and Physical Development:
- Sex:
- Social and Economic Conditions:





ture versus Nurture

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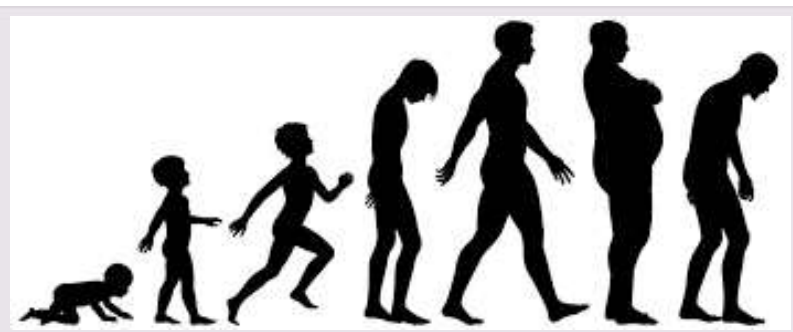
Hereditiy provided certain inherent capabilities while environment provides for the maturation and training.

According to Newman variations in I.Q. were determined about 68% by hereditiy and 32% by environment.

Environment of children ages 2 to 4 years ----important.

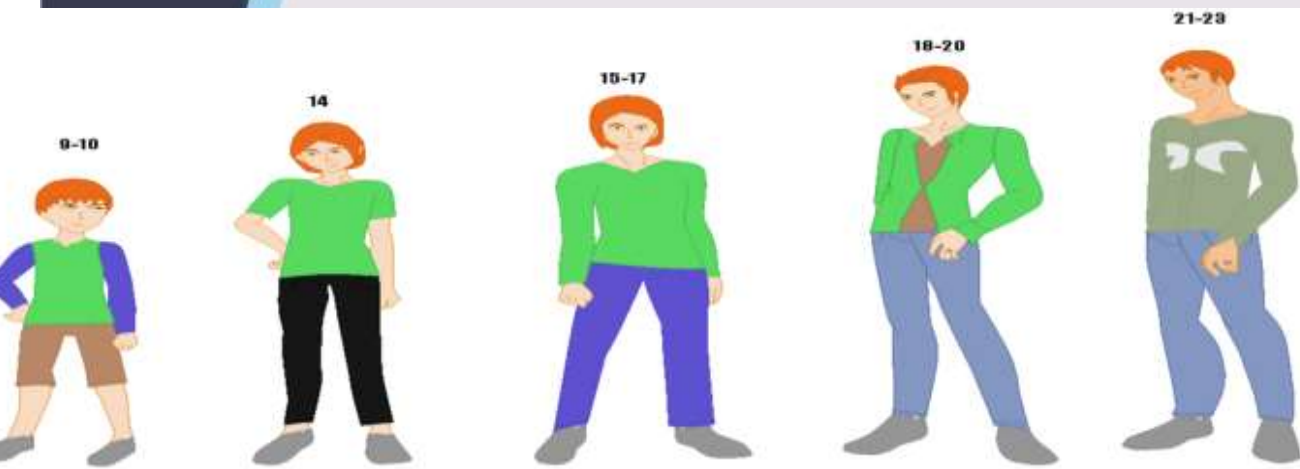


Age



A person who bright or dull in childhood tends to remain bright or dull throughout his life.

Growth in intelligence can continue through the early twenties.



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Race and Nationality

Differences exist between families are due to environment.
differences due to opportunity for training in early years.





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Culture

Culture determines the degree of a person's attitude and abilities.





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Health and Physical Development:

- Physical and mental health --desired achievement.
- A mental activity with delicate health cannot achieve success.
- Physical defects many interfere with observable intelligent behavior.

Sex



The research shows that there is no significant differences between the sexes.

on the average, girls shows slight superiority in language, memory and appreciation.



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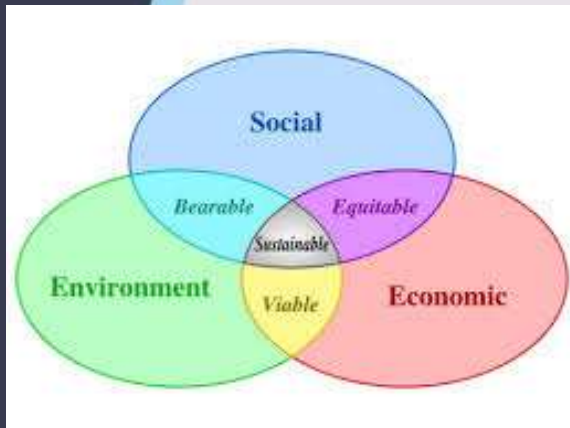
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Social and Economic Conditions

Home plays a significance role.

Home conditions influence on behaviour and attitude.

The financial status of the parents, neighbourhood and environmental conditions also affect on the intelligence.





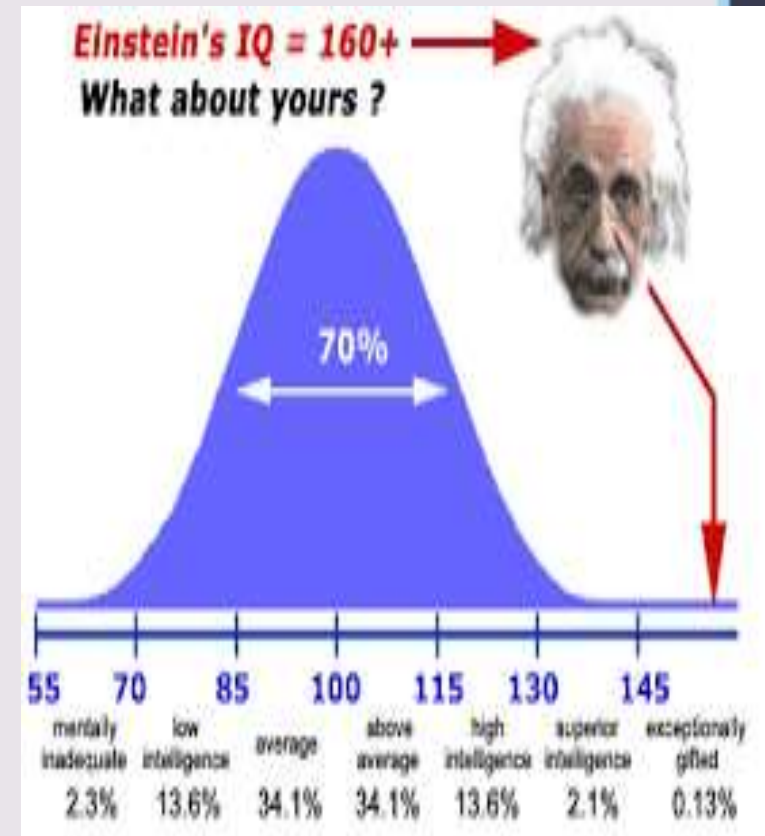
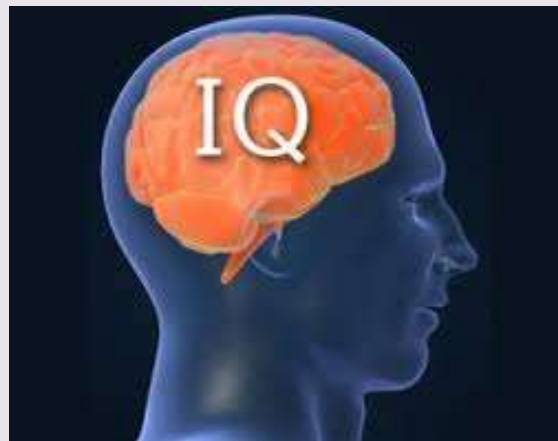
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Measurement of Intelligence:

- Binet Test of General Intelligence:
- Mental Maturity:

$$IQ = \frac{\text{mental age}}{\text{chronological age}} \times 100$$





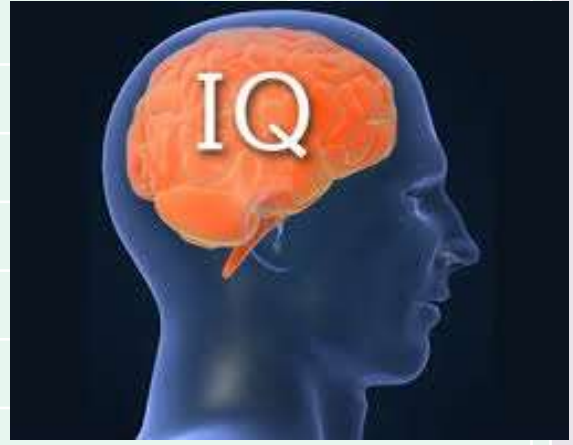
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- It is a degree of intelligence
- Binet and Simson developed a scale
- **Intelligence Quotient (I.Q.):**
 - Intelligent Quotient = $\left(\frac{\text{Mental Age}}{\text{Chronological age}} \right) \times 100$
 - $$= (MA/CA) \times 100$$





IQ Level	Character
Below 20	Idiot
20 to below 70	Feeble minded
70 to 90	Dull
90 to 110	Average or Normal
110 to 120	Superior
120 to 140	Very superior
140 to 200	Genius
Above 200	Supreme genius





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Importance of Intelligence in Extension work:

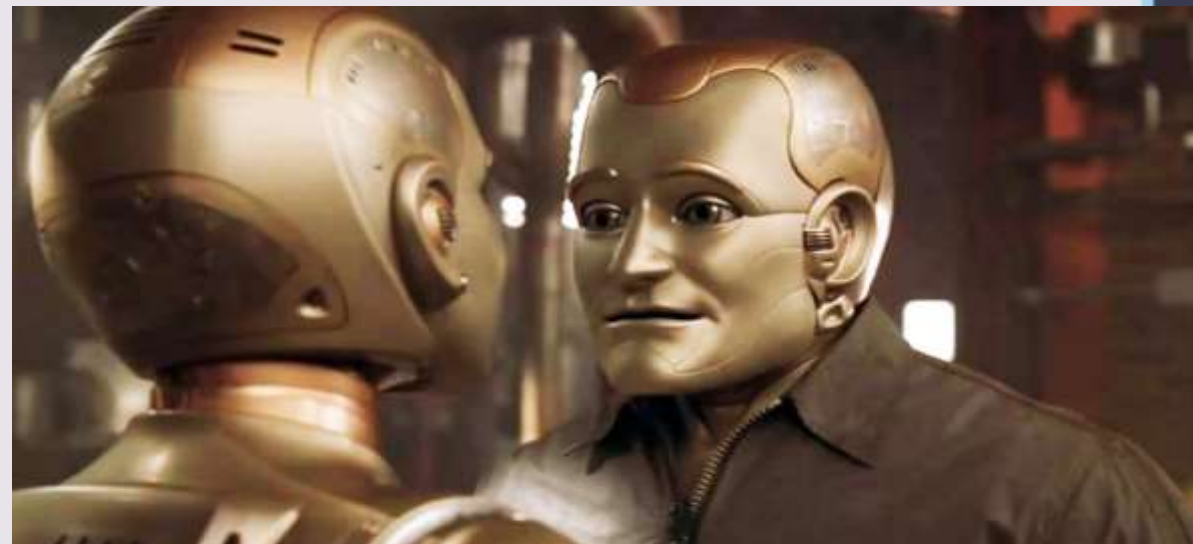
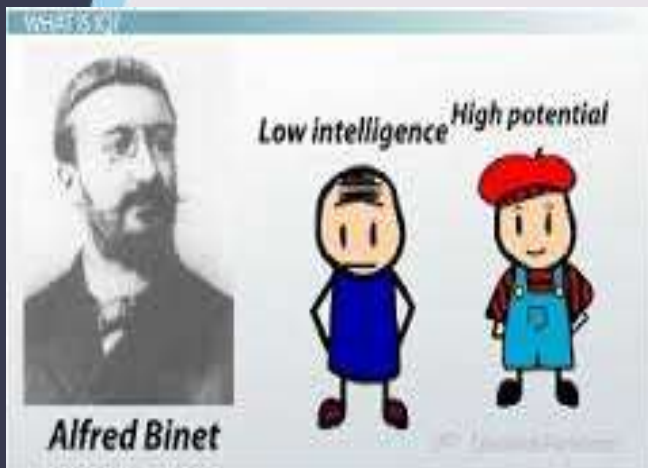
- Intelligence remain constant when the conditions remain constant
- differences in intelligence may be either due to **heredity** or **environment**
- **Gifted persons** with higher intelligence can be better utilized
- It is easy to identify the **mentally retarded** people



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- An extension worker can **increase** his effectiveness by using appropriate techniques.





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Perception,

• **Perception** is the process of organizing and interpretation of **sensory data** in terms of one's previous experience and present needs – **Ruch**

PERCEPTION





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- Perception necessary for us to survive in our environment.
- For example, before parents feed their babies microwaved food, they taste it in order to make sure that the temperature isn't too hot.



Emotions

When we talk about emotion we mean psychological phenomena like fear, anger, grief, love, affection, pleasure etc.





Emotion, is any relatively brief conscious experience characterized by intense mental activity and a high degree of pleasure or displeasure.



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Emotion is a **disturbed** muscular and glandular condition. That is the way it appears to the observer



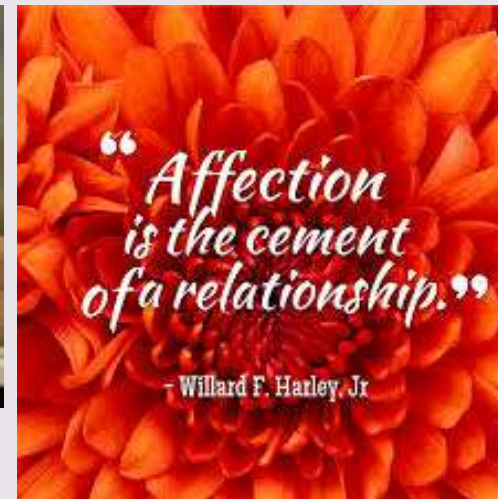


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Types of Emotions:

- Positive Emotions
- Negative Emotions:





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Positive emotion any feeling where lack of negativity, such that no discomfort is felt





Positive Emotion



Joy, Happiness, affection, Love, inspiration
Amusement, enthusiasm





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Negative Emotion



Negative emotions causes you miserable and sad.





Negative E



Anger, Jealousness, fear, anxiety

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False
Evidence
Appearing
Real





FRUSTRATION

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Meaning:

- psychological and physiological response, which occurs with the individual due to some obstacle in his goal directed behaviour





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- Failure to achieve goals
- Moral lapses
- Family:
- Love and affection

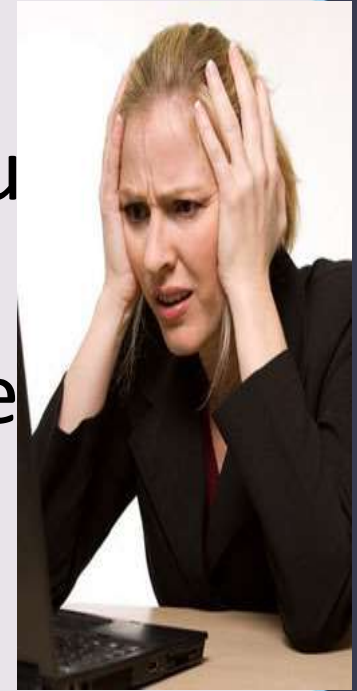




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Importance of frustration in extension work:

- Frustrations blocks of progress of individuals
- Negative emotions lead to frustration
- farmers become inactive and uninterested in any progressive activity





- creating favourable attitudes- can control frustration
- Do not allow to develop inferiority feeling in farmers-





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MOTIVATION

- **Motivation:** process of initiating a **conscious** and **purposeful** action
- **goal directed** and **need satisfying** behavior.

MOTIVATION



**WORK
HARD
DREAM
BIG.**

Motivation
is all around us.

You just have to
know where to look.



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Factors for the Motivation

- Environmental conditions
- Internal urge
- Incentive awards

#FIND YOUR **MOTIVATION**
#FIND YOUR
INSPIRATION
#**WORKOUT**
#**NEVER** GIVE UP

~~I'm tired~~
~~It's too cold~~
~~It's too hot~~
~~It's raining~~
~~It's too late~~
Let's go



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MASLOW'S' CLASSIFICATION OF NEEDS:

- **Physiological needs**
- **Safety needs**
- **Social needs**
- **Esteem needs**
- **Self-actualization**



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THANK YOU