

# Hereditv & Environment

## B.A.II Sem 2

### Paper 2 Unit 2

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## Introduction

- The *individual's personality* is the *product* of both *heredity and environment*. In some cases heredity may overpower development and in certain other cases environment may very strongly influence growth and development. It is because of this difference, individuals differ in physique, character and other personality traits.
- A Child's development **represent** the interaction of **Heredity and Environment**.
- **Heredity** determines the **potential** of child, while the **Environment** influences the extent to which that **potential is achieved**

## Heredity and Environment Role

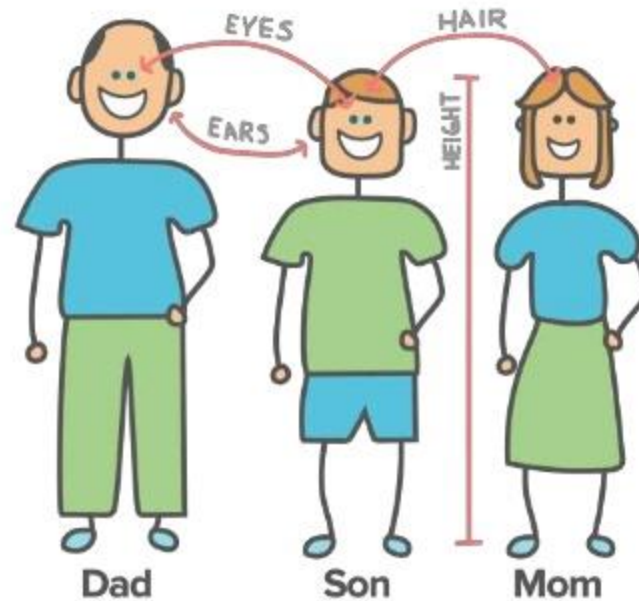
- **Heredity** or “**Nature**”
- Strong Influence on Physical Development.
- **Physical Makeup**, that a child Inherits from parents.
- **Environment** or “**Nurture**”
- **Everything** that surrounds and influence child.
- **Family, School, Neighbours, Media, etc.**



# HEREDITY

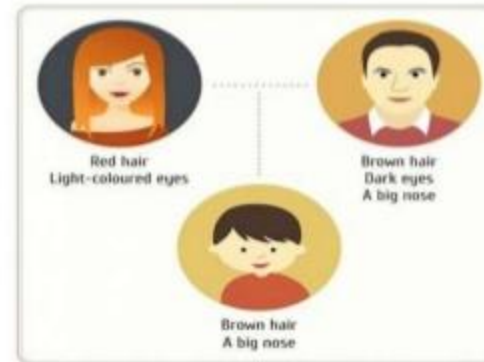
- **Every human being is born as a result of conception which takes place due to certain biological Factors and process.**
- **The child carries with himself several physiological and psychological peculiarities that are present in the parents. In fact it is the heredity that determines structure, complexion, structure of hair, height. Facial features nasal index etc. of the child. Thus different types of the genes help in the formation of a body.**

- Heredity is the passing on of *traits* from parents to their offspring



# What are Traits

- Eye Colour
- Hair Colour
- Height
- Body Structure
- Facial Features
- Skin Colour



# Environment

- **Environment** is nothing but the sum total of the **surroundings** in which an individual has to *live*. Psychologically an individual's **environment** is related to all those stimuli which he faces from the moment of **fertilization till death**.
- Environment is generally divided into two categories- **natural and social**.

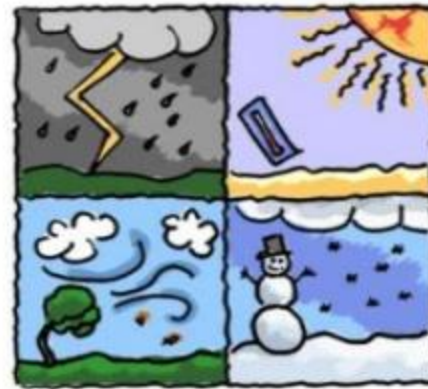
# Environment Factors

## Familial Influences





## Geographical Influences

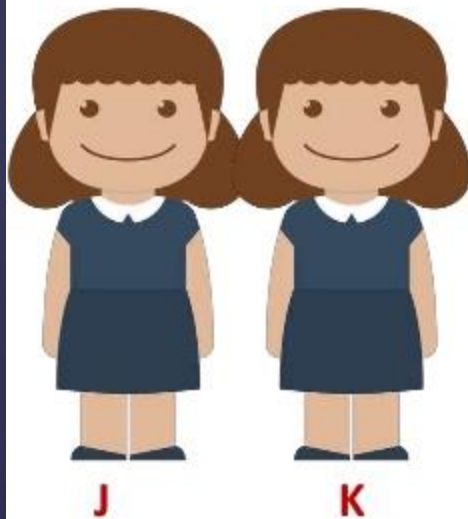


## Socio-Economical Status and Its Influence



- Both *heredity and environment* have their share in *molding the life and personality* of the individual.
- *Heredity* is responsible for all the *inborn traits*, the instincts, emotions, I.Q., reflex action and physical traits.
- *Environment* is responsible for the growth and development of the *physical, mental and social traits*.
- The two forces heredity and environment are not opposed to each other, but are complementary like seed and soil. The heredity is the raw material out of which the object is to be prepared, and environment in the technique and other material for the manufacture.
- Two individuals of the same heredity might differ when put in dissimilar environments. Again two individuals of differing heredity would probably differ inspite of identical environments. So we can predict that if we change either factor, the product is changed.

- No person can be born without heredity and genes cannot develop without proper environment.



**J** eats Healthy  
Low Fat Food,  
So her Obesity  
Genes are not  
Triggered



**K** eats Fatty  
Unhealthy  
Food,  
So her Obesity  
Genes  
Triggered