



SNS COLLEGE OF NURSING

SARAVANAPATTI, COIMBATORE-35



DEPARTEMENT OF NURSING

COURSE NAME: BSC (NURSING) IIYEAR

SUBJECT : GENETICS

UNIT I –INTRODUCTION OF GENETICS

**TOPIC-PRACTICAL APPLICATION OF GENETICS IN
NURSING, IMPACT OF GENETIC CONDITION ON FAMILIES**

INTRODUCTION

Genetics is the branch of biology that deals with heredity , especially the mechanism of hereditary transmission and variation of inherited characteristics among similar or related organism



BRANCHES OF GENETICS

- Classical Genetics
- Molecular Genetics
- Population Genetics
- Quantitative genetics



PRACTICAL APPLICATIONS OF GENETICS IN NURSING



Recent advances in genetic knowledge and technology have impacted all areas of nursing practices. Applications of genetics in nursing is very wide.

- All nurses have role in the delivery of genetic services and management of genetic information.
- Nurses requires genetic knowledge to identify, support, refer, care for patients.
- Genetic nursing is practiced in different environment such as maternity, paediatric, medical surgical nursing and community health nursing.



MAJOR PRACTICAL APPLICATION OF GENETICS IN NURSING

- 1) understands genetics basis of disease-

Role of different genes in causation of genetics disorders and defects, Normal and abnormal cell division, good or bad genes for health illness continuum.



Cont..

- 2) Early and effective diagnosis of genetic disorder
- 3) Prevention of genetic condition
- 4) Management and care of genetic disorders
- 5) Genetic information and counselling referral services
- 6) Protecting patients right and ethical issues in genetics



IMPACT OF GENETIC CONDITIONS ON FAMILIES





Assessment

A magnifying glass with a black handle and a silver rim is positioned over the word "Assessment". The lens of the magnifying glass is focused on the letter "m", making it appear larger and more prominent than the other letters.

1. Explain about major practical application of genetics in nursing?

Ans

2. Enlist the impact of genetic conditions on families?

Ans.....



REFERANCE

- Text book of Genetics for Nursing ,2nd Edition by Dr.S.N.Chug and Dr.Kiran chug,Arya publications
- Genetics for nurses,1st edition by Sara Sheba Ingersoll Jaya Kuruvilla, CBS publishers



THANK YOU